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2/10/2013 10:31:57 AM



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. POLING
DRAWN BY
J. BORGHESE
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

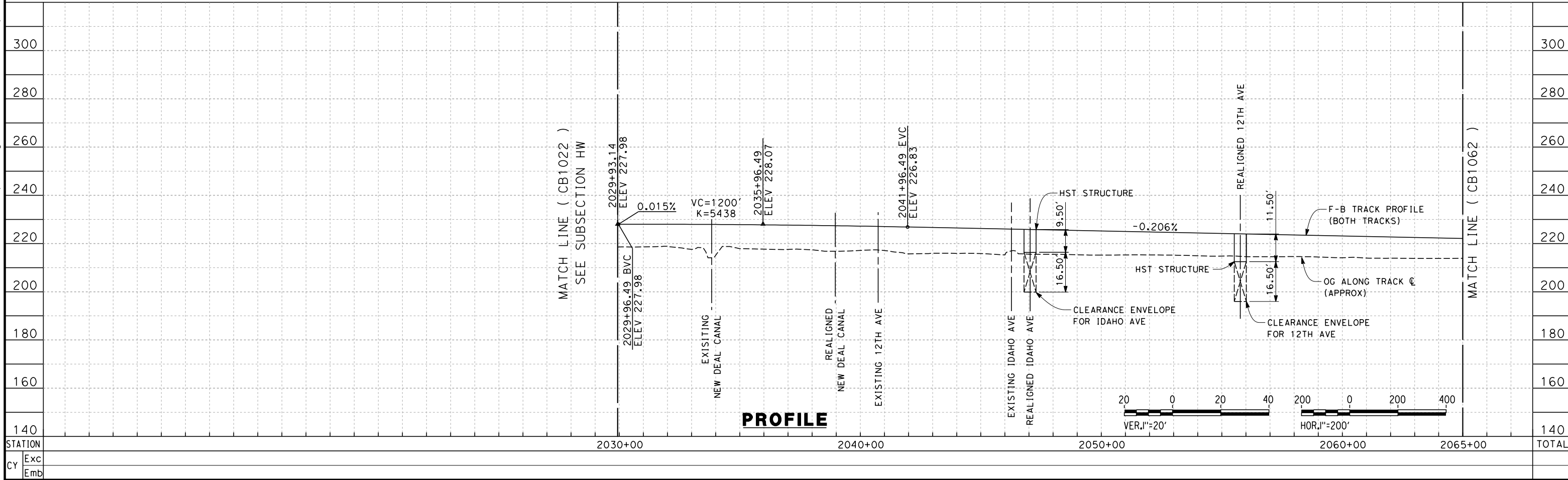
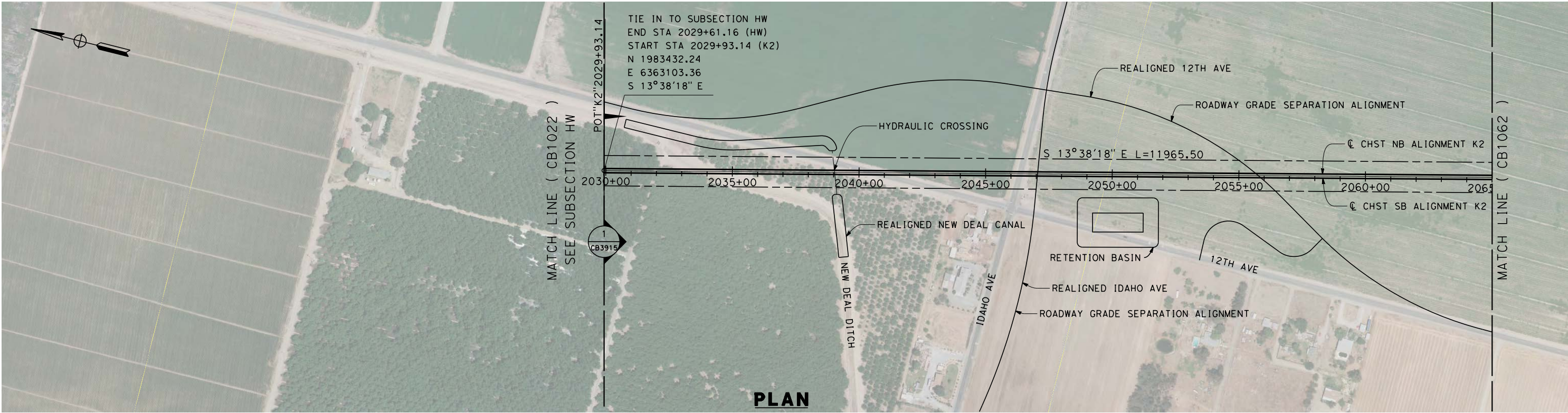
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2029+93 TO 2601+70
KEY MAP

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1060
SCALE
AS SHOWN
SHEET NO.
1 OF 15

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alexander.poling 10/20/2013 1:15:56 PM \$PLTDRVS\$ \$PENTBLS\$



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DESIGNED BY
A. POLING

DRAWN BY
J. BORGHESI

CHECKED BY
D. HUNT

IN CHARGE
R. COFFIN

DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2029+93 TO 2065+00
PLAN AND PROFILE

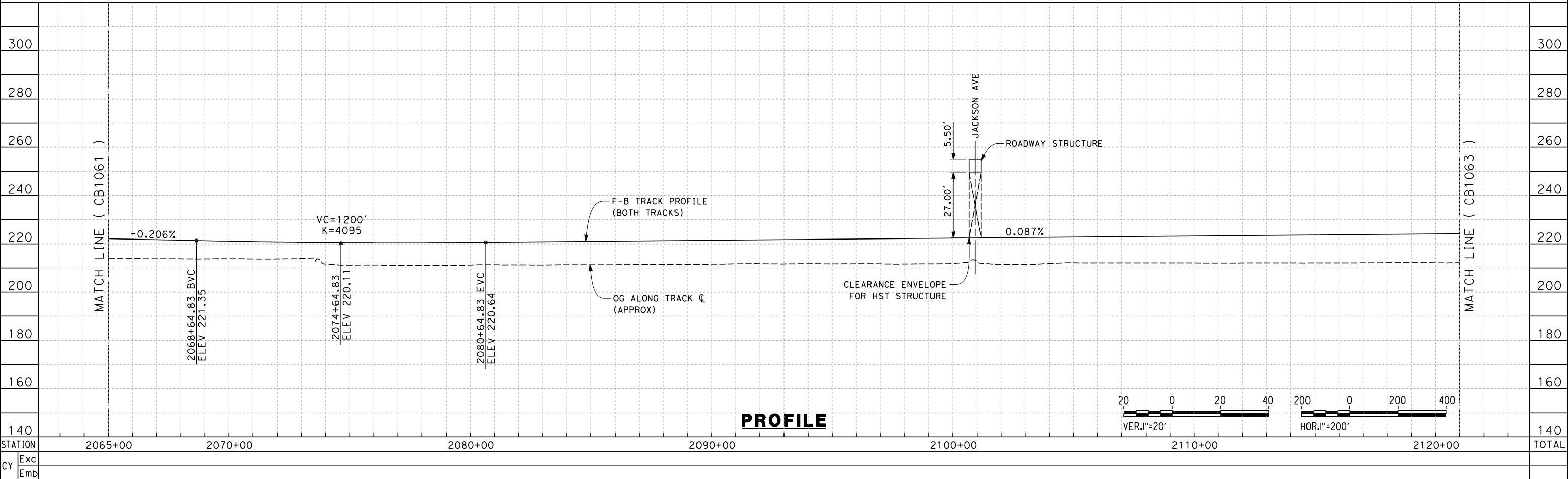
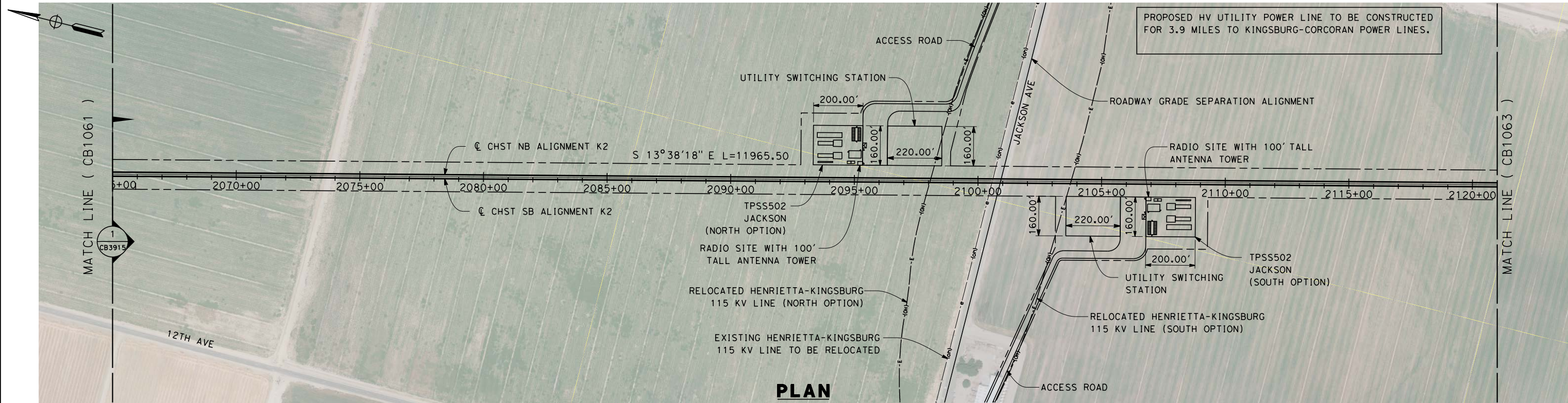
CONTRACT NO.
HSR 06-0003

DRAWING NO.
CB1061

SCALE
AS SHOWN

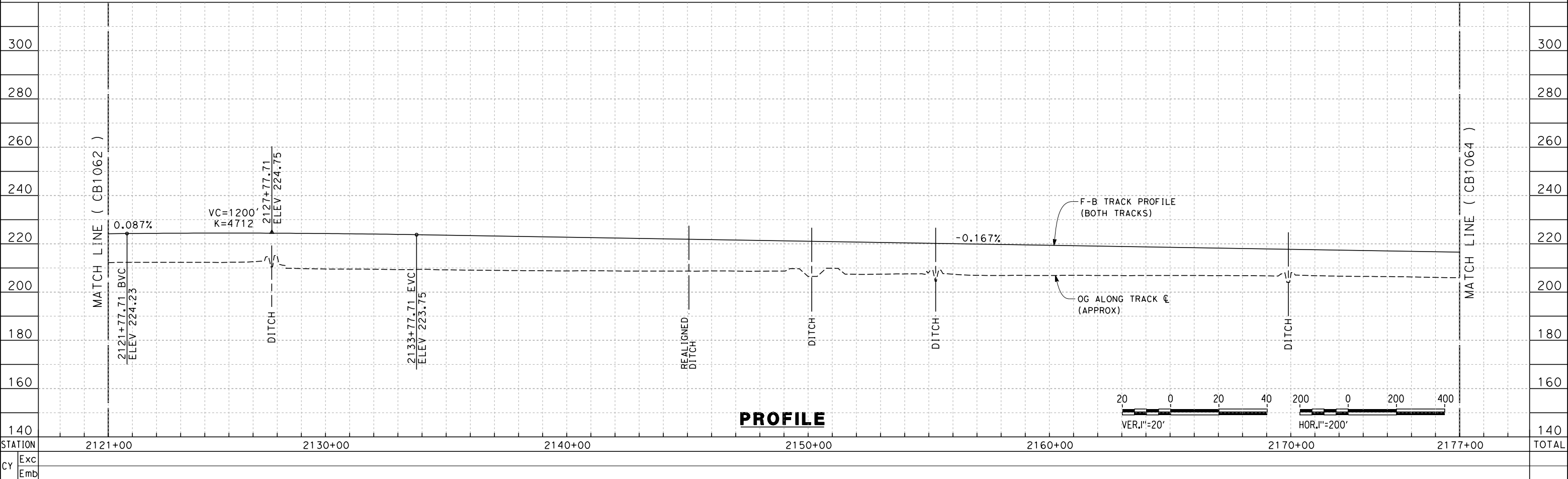
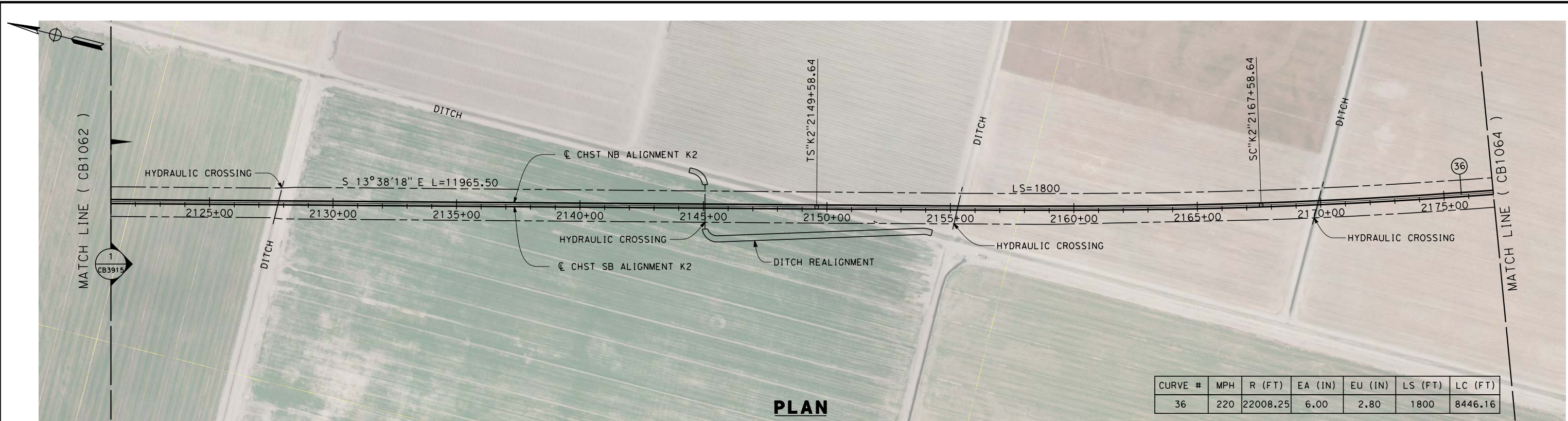
SHEET NO.
2 OF 15

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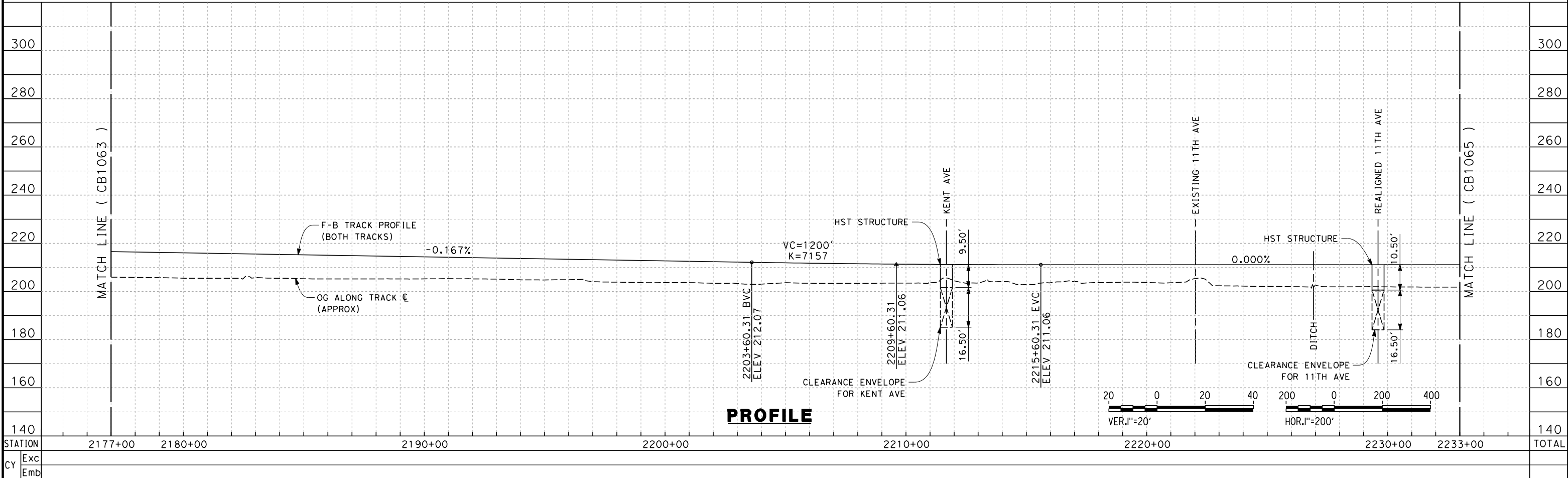
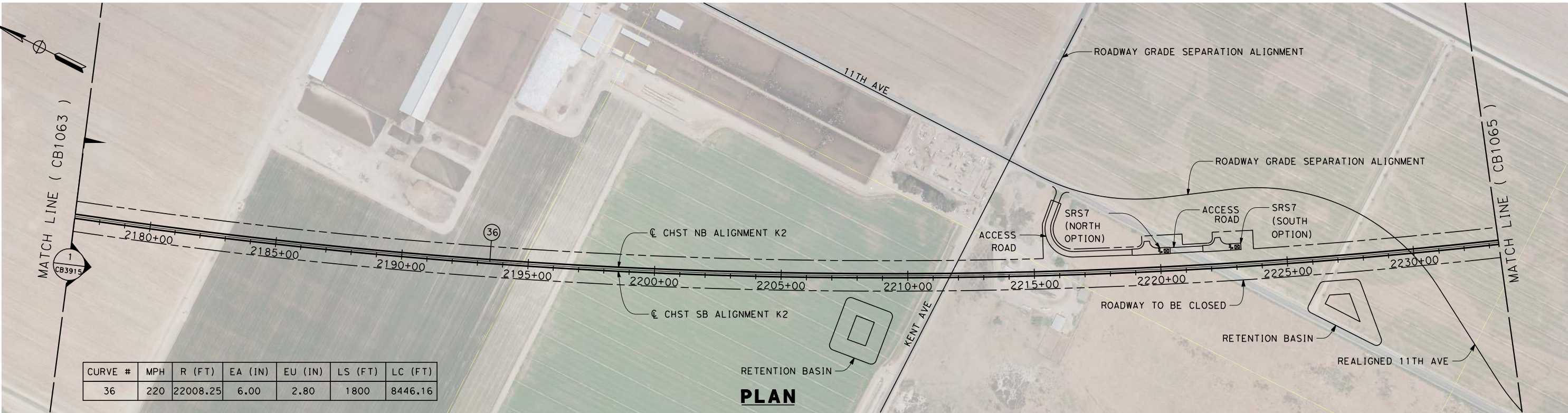
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REV	DATE	BY	CHK	APP	DESCRIPTION									

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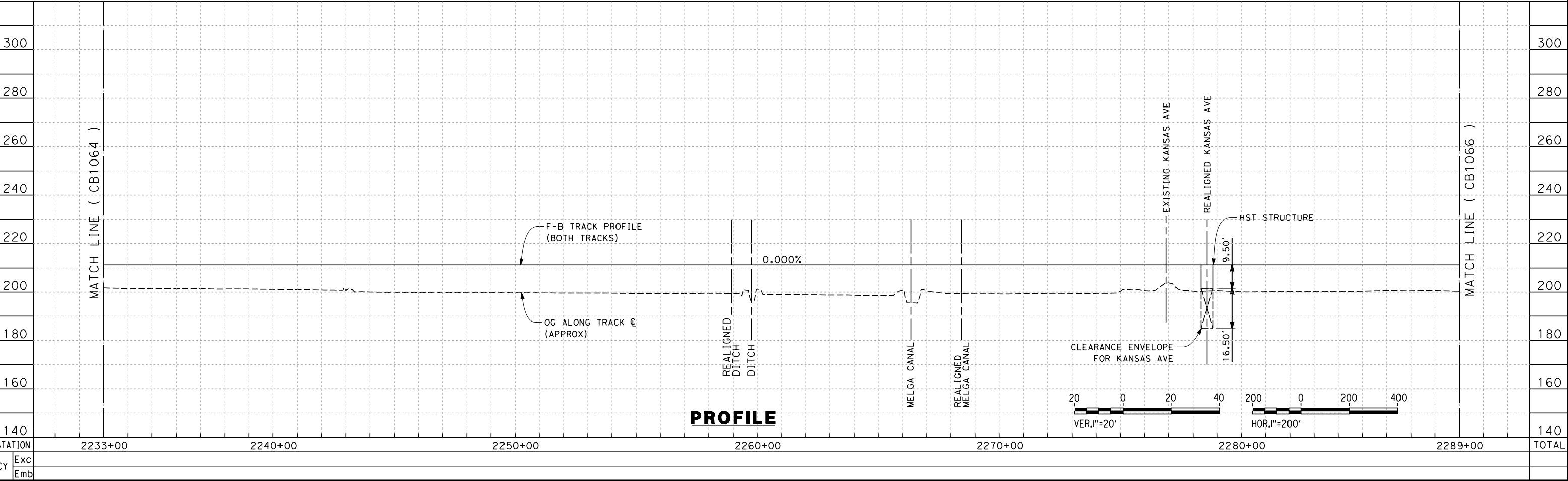
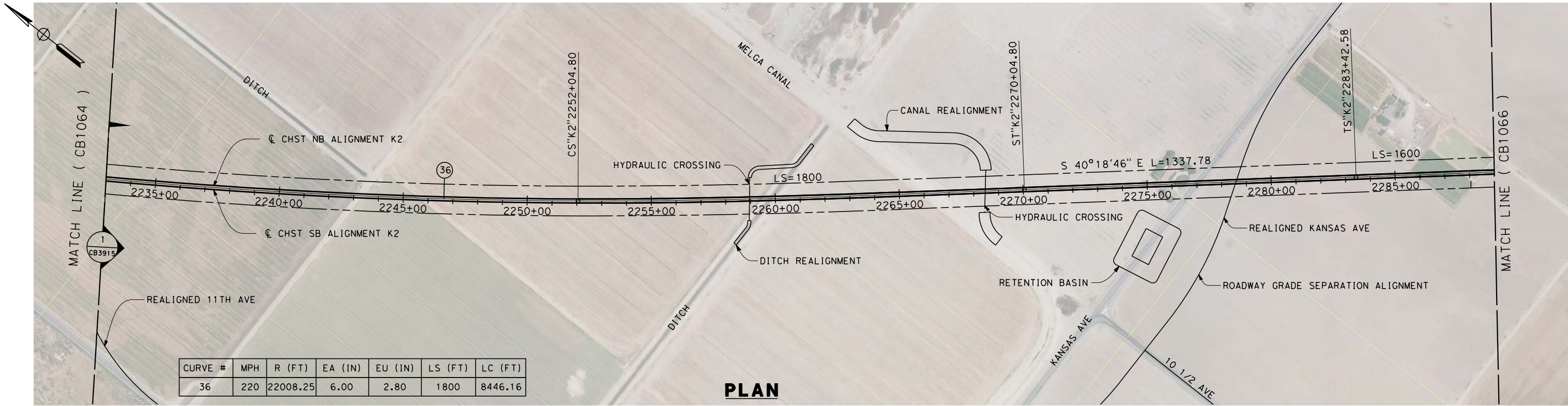
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						<div>SHEET NO. 4 OF 15</div>			

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<div>DESIGNED BY A. POLING DRAWN BY J. BORGHESI CHECKED BY D. HUNT IN CHARGE R. COFFIN DATE 12/31/13</div>					<div>RECORD SET 15% DESIGN SUBMISSION NOT FOR CONSTRUCTION</div>		<div>URS HMM ARUP CALIFORNIA HIGH-SPEED TRAIN</div>		<div>CALIFORNIA HIGH-SPEED RAIL AUTHORITY</div>		<div>CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K2 STA 2177+00 TO 2233+00 PLAN AND PROFILE</div>			<div>CONTRACT NO. HSR 06-0003 DRAWING NO. CB1064 SCALE AS SHOWN SHEET NO. 5 OF 15</div>	
REV	DATE	BY	CHK	APP	DESCRIPTION										

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REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY J. BORGHESI
CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

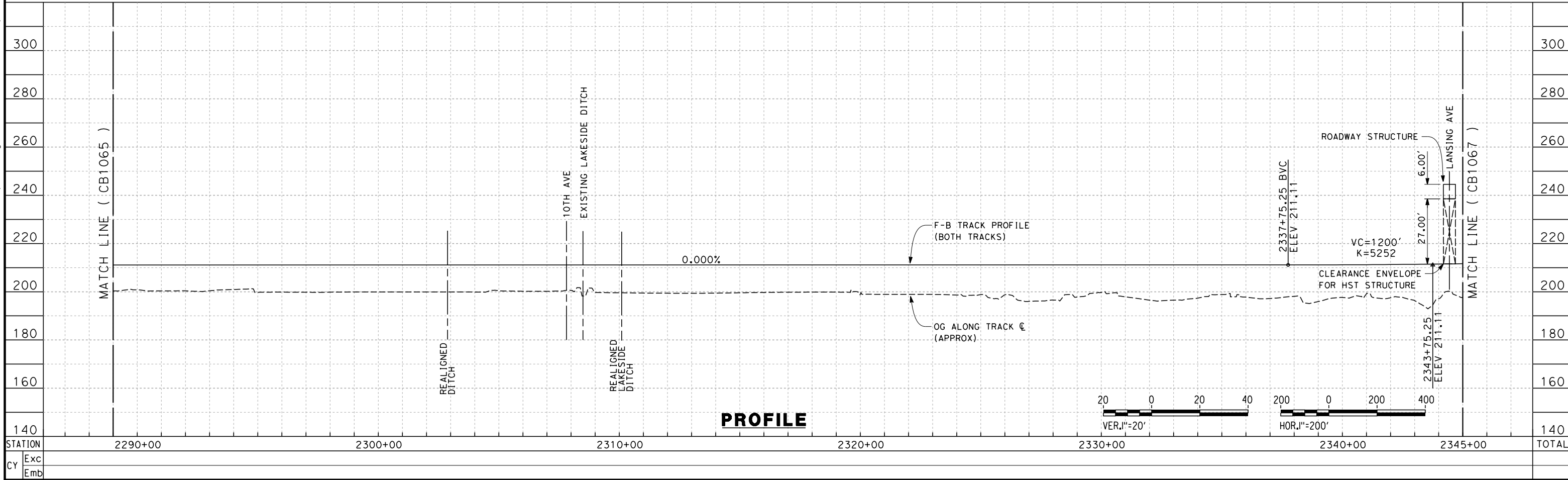
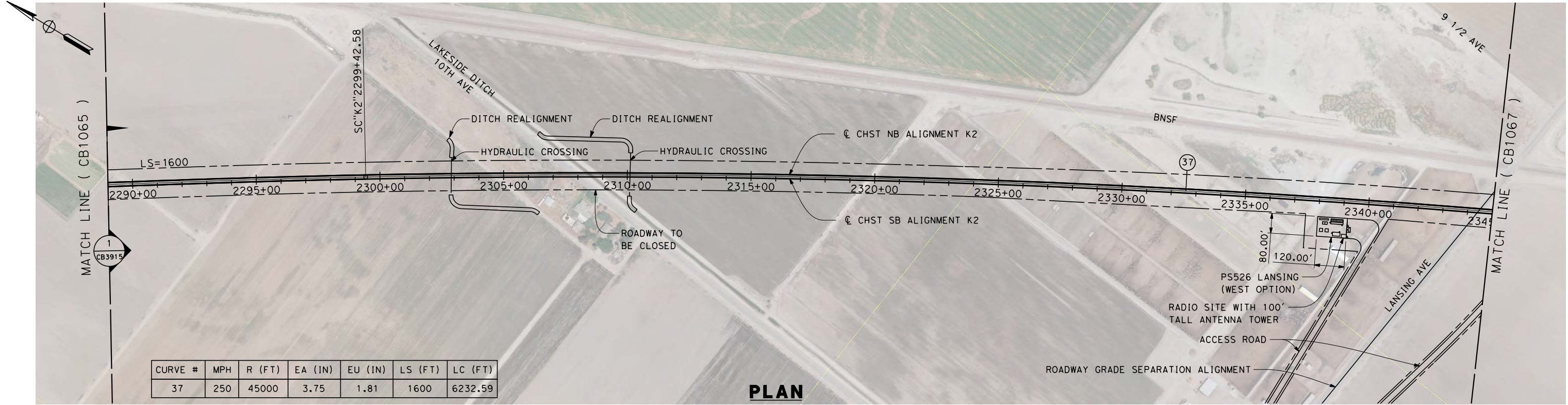
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K2 STA 2233+00 TO 2289+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1065
SCALE AS SHOWN
SHEET NO. 6 OF 15

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alexander.poling 10/10/2013 3:22:44 PM \$PLTDRVS\$ \$PENTBLS\$



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESI
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IN CHARGE R. COFFIN
DATE 12/31/13

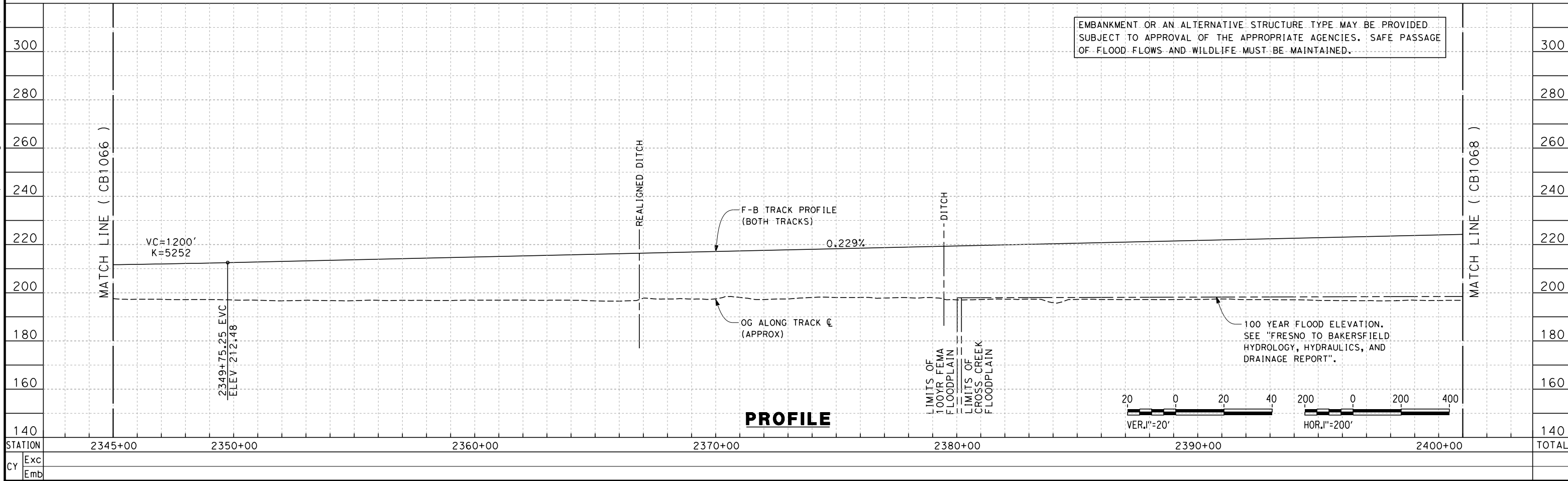
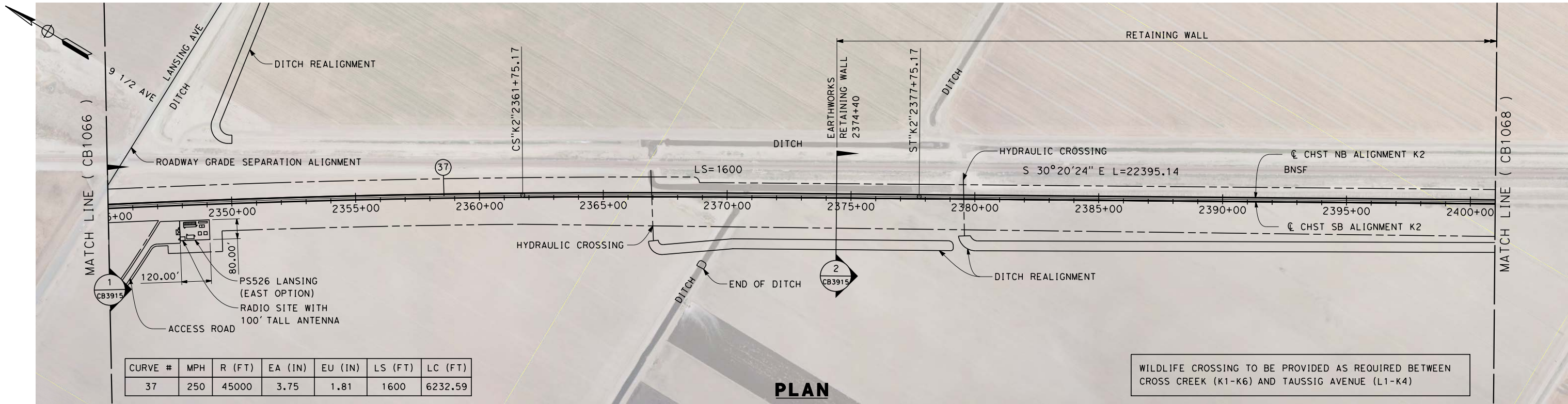
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD KAWEAH SUBSECTION ALIGNMENT K2 STA 2289+00 TO 2345+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1066
SCALE AS SHOWN
SHEET NO. 7 OF 15

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. POLING
DRAWN BY
J. BORGHESI
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

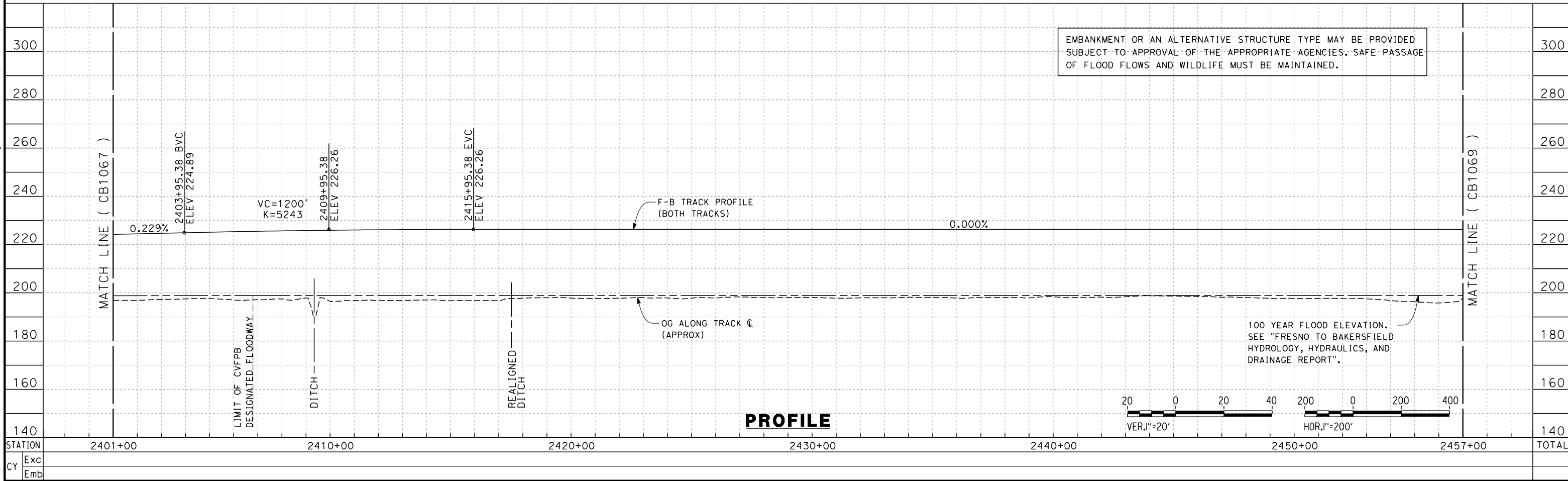
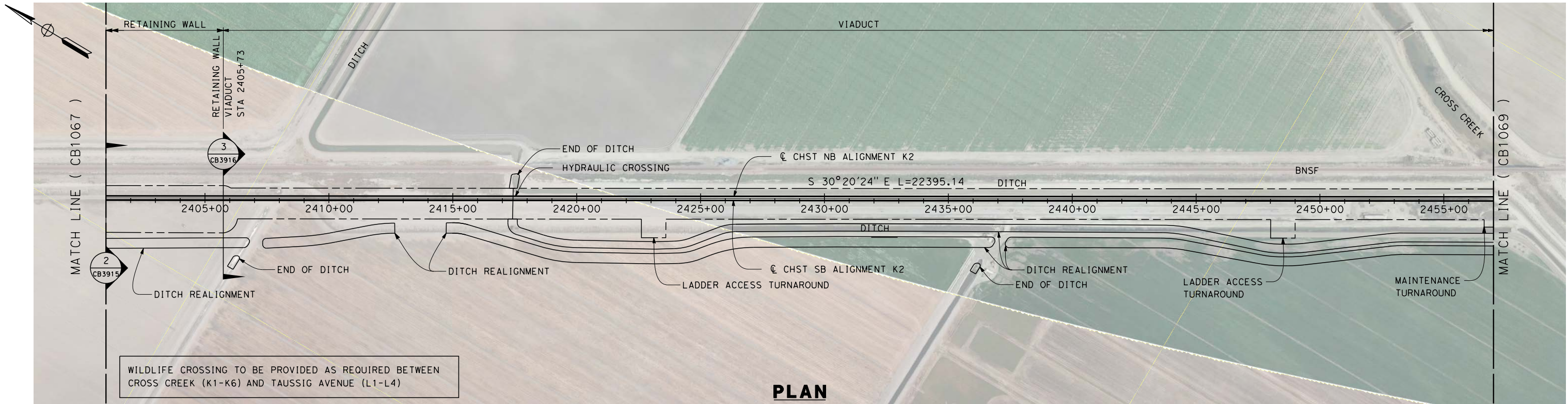


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2345+00 TO 2401+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1067
SCALE
AS SHOWN
SHEET NO.
8 OF 15

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DESIGNED BY
A. POLING
DRAWN BY
J. BORGHESE
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

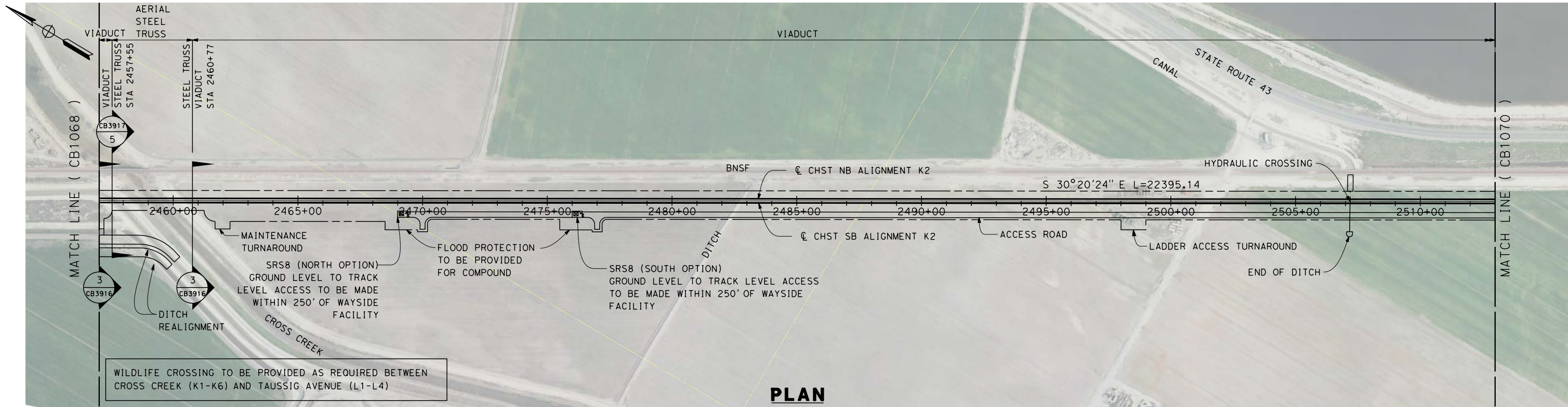
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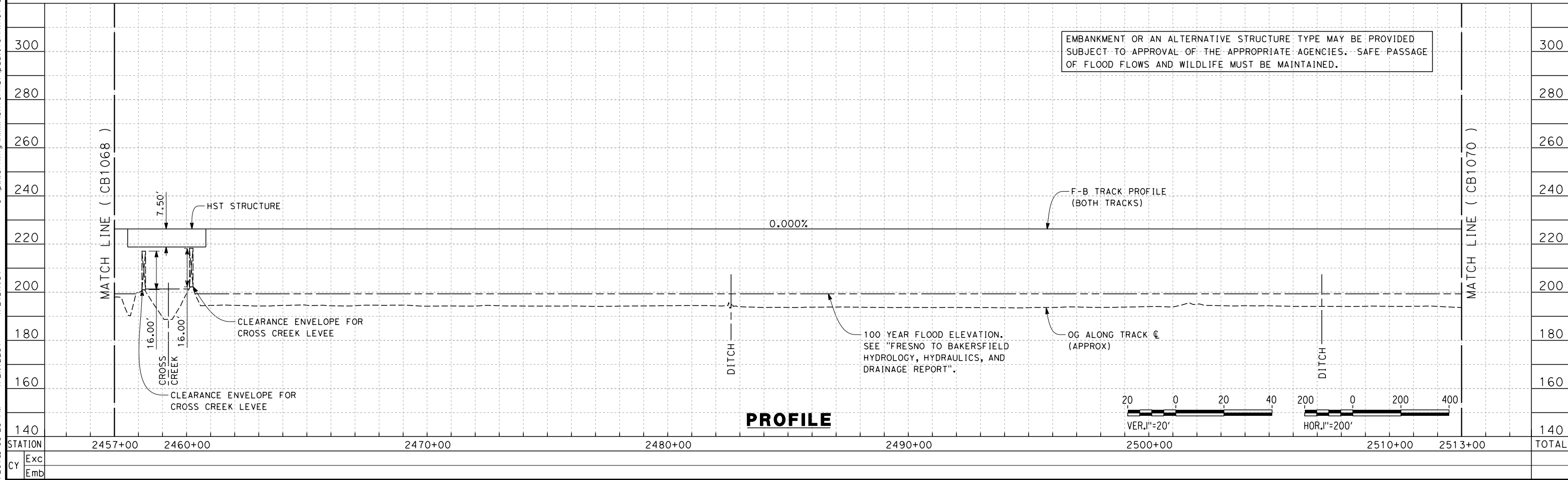
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2401+00 TO 2457+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1068
SCALE
AS SHOWN
SHEET NO.
9 OF 15

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY J. BORGHESE
CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**



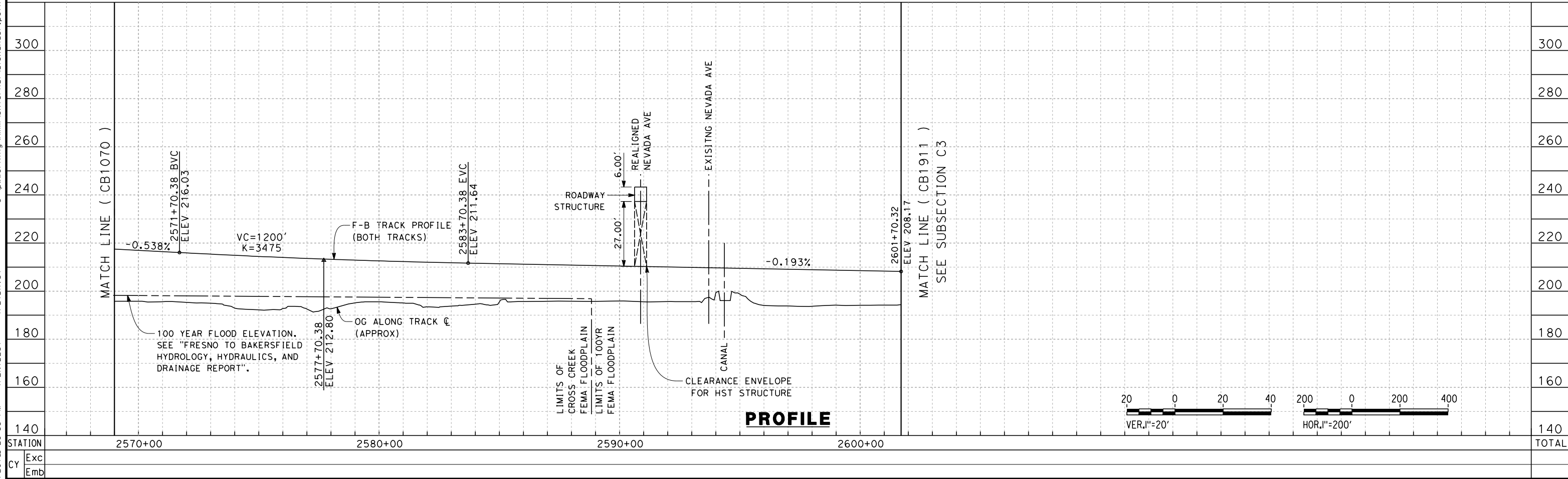
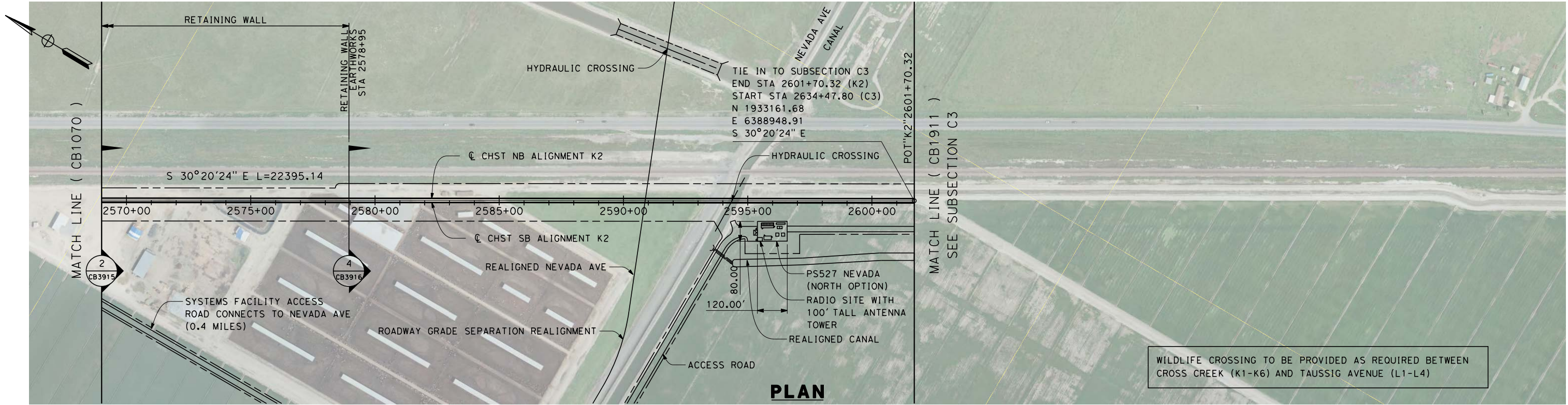
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
STA 2457+00 TO 2513+00
PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1069
SCALE AS SHOWN
SHEET NO. 10 OF 15



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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. POLING
DRAWN BY
J. BORGHESI
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

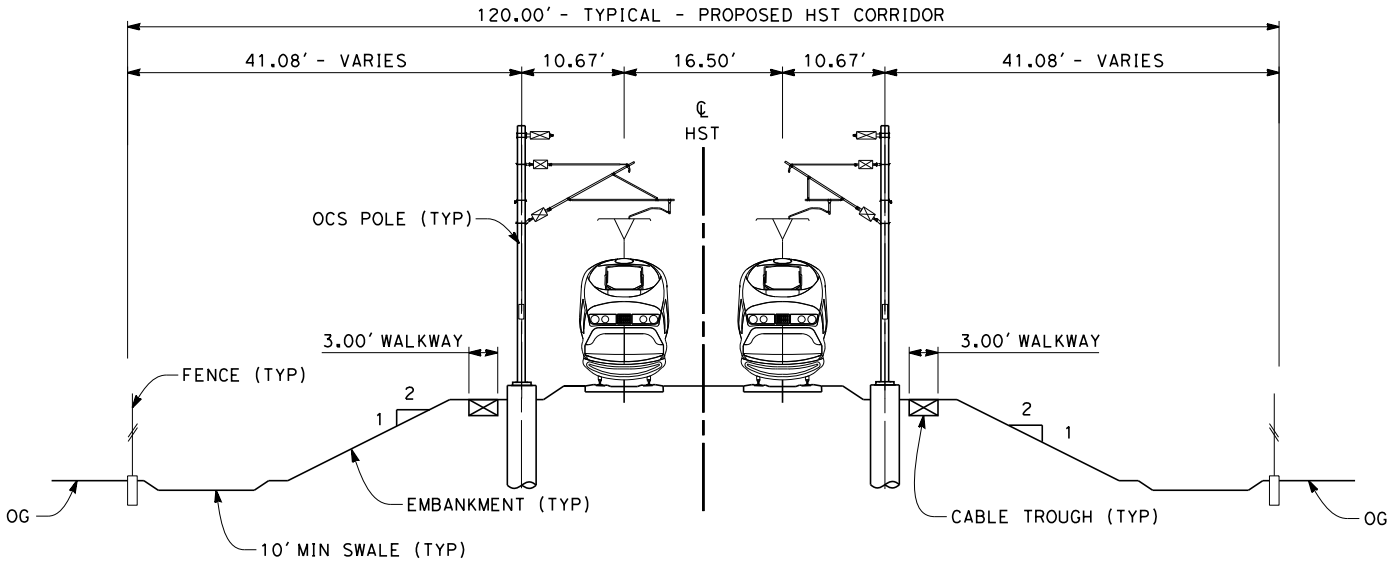


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K2
STA 2569+00 TO 2601+70
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1071
SCALE
AS SHOWN
SHEET NO.
12 OF 15

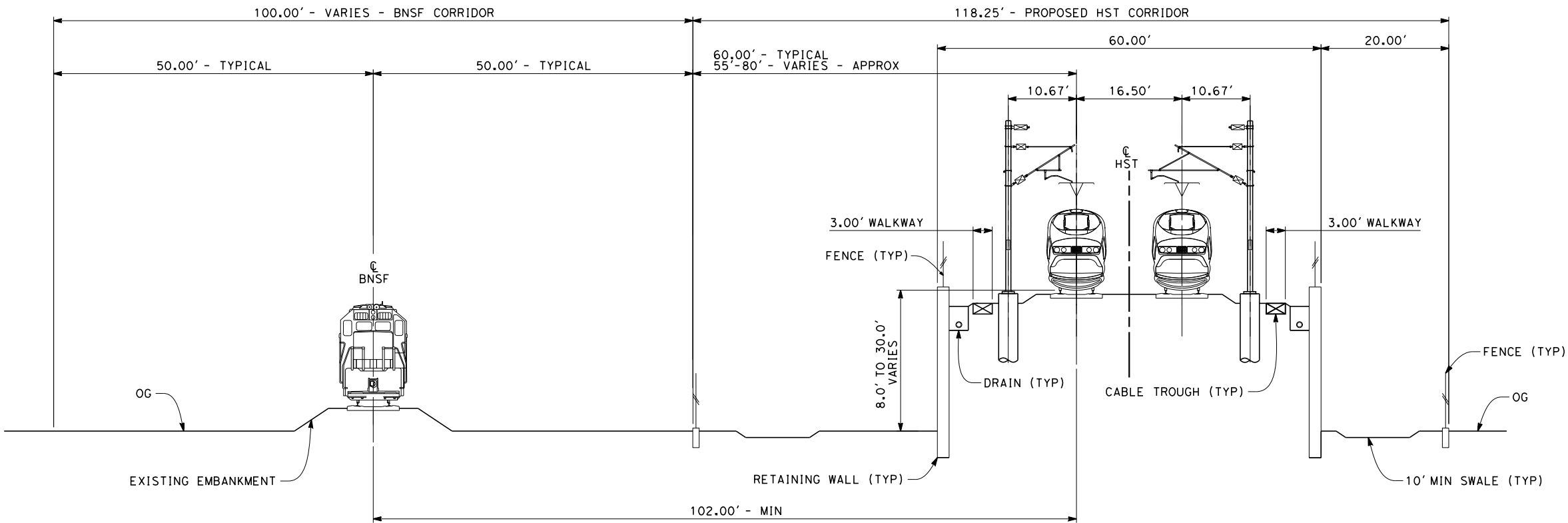
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- NOTES:
1. TRACKFORM SHOWN IS INDICATIVE.
 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 1

TWIN TRACK AT GRADE
STA 2029+93 THROUGH 2374+40



SECTION 2

TWIN TRACK ON RETAINED EMBANKMENT ADJACENT TO BNSF
STA 2374+40 THROUGH 2405+73
STA 2554+98 THROUGH 2578+95



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CHECKED BY D. HUNT
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DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

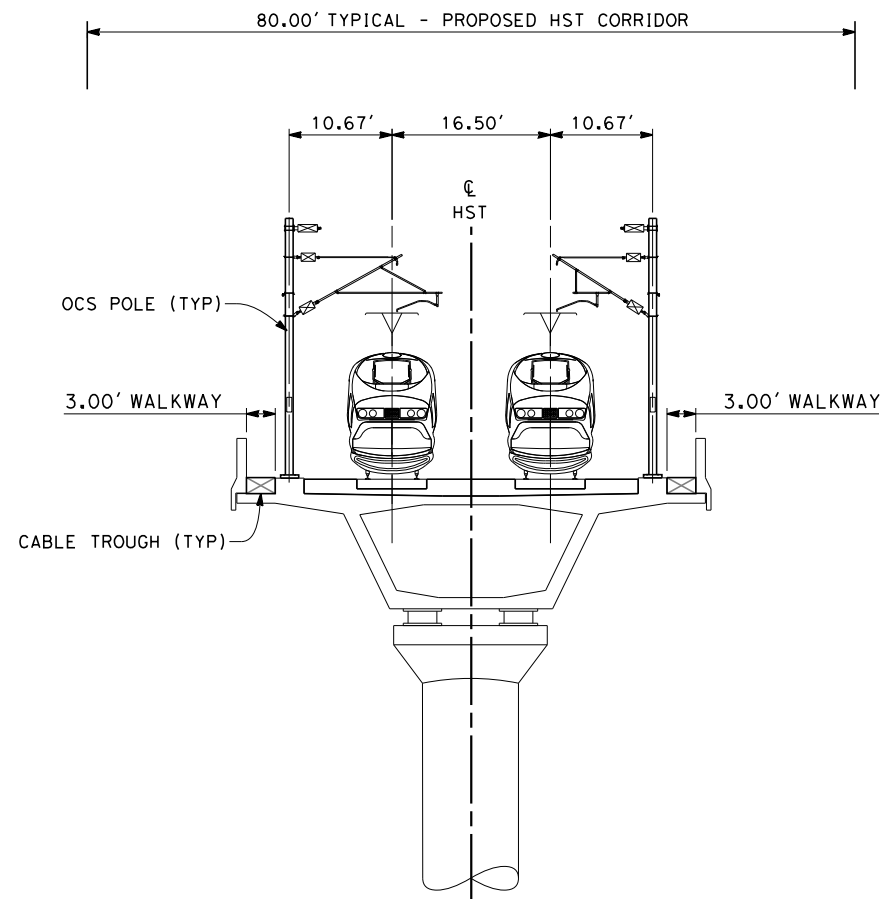


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3915
SCALE AS SHOWN
SHEET NO. 13 OF 15

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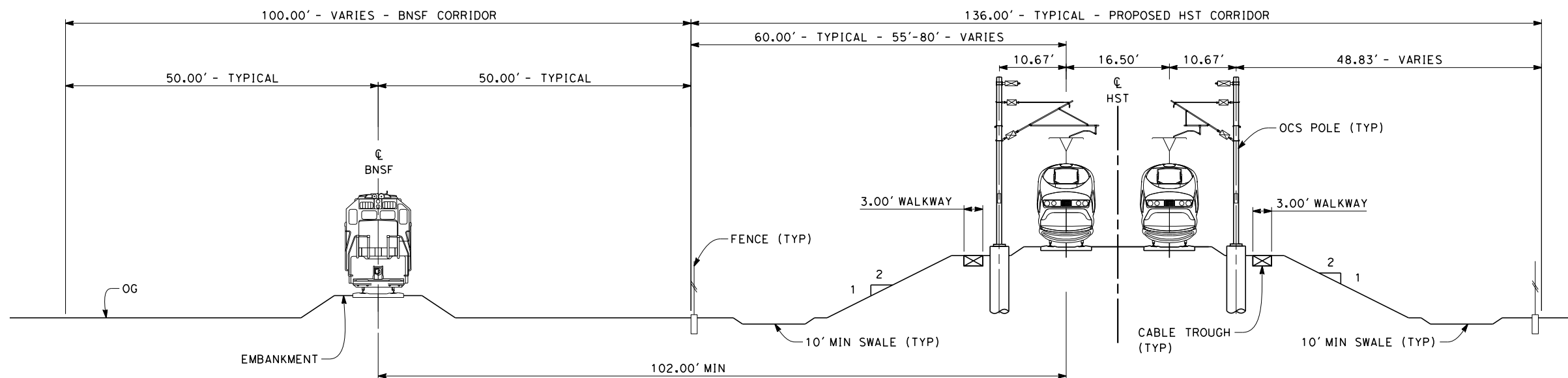


SECTION 3

TWIN TRACK AERIAL VIADUCT
STA 2405+73 TO 2457+55
STA 2460+77 TO 2554+98

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE.
2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
3. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.



SECTION 4

TWIN TRACK ADJACENT TO SINGLE TRACK BNSF
STA 2578+95 TO 2601+70



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DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**



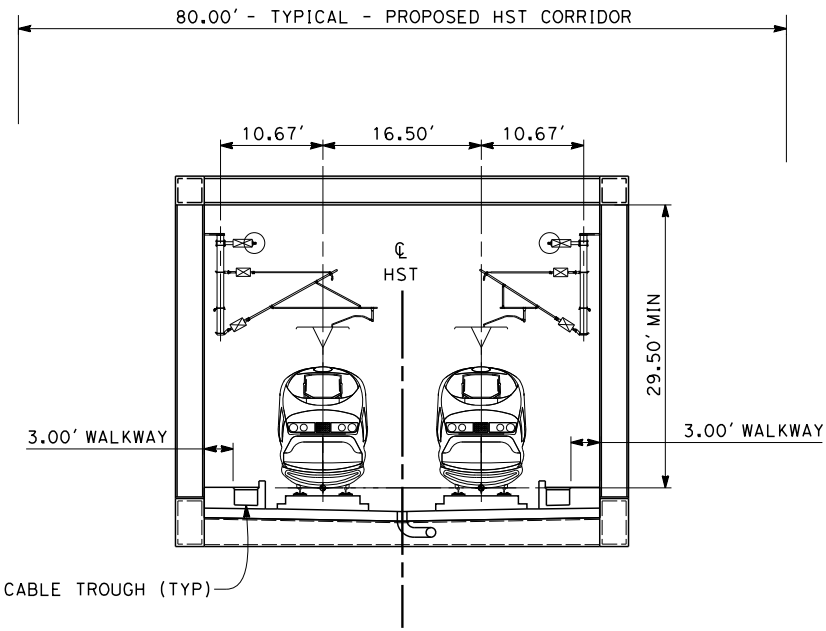
**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3916
SCALE AS SHOWN
SHEET NO. 14 OF 15

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- NOTES:
- 1. TRACKFORM SHOWN IS INDICATIVE.
 - 2. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.
 - 3. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS.



SECTION 5
TWIN TRACK TRUSS
STA 2457+55 TO 2460+77



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
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IN CHARGE R. COFFIN
DATE 12/31/13

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DESIGN SUBMISSION**

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K2
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3917
SCALE AS SHOWN
SHEET NO. 15 OF 15

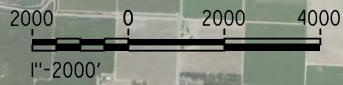
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LEGEND

---+---+--- EXISTING FREIGHT RAILROAD

———— PROPOSED CHST



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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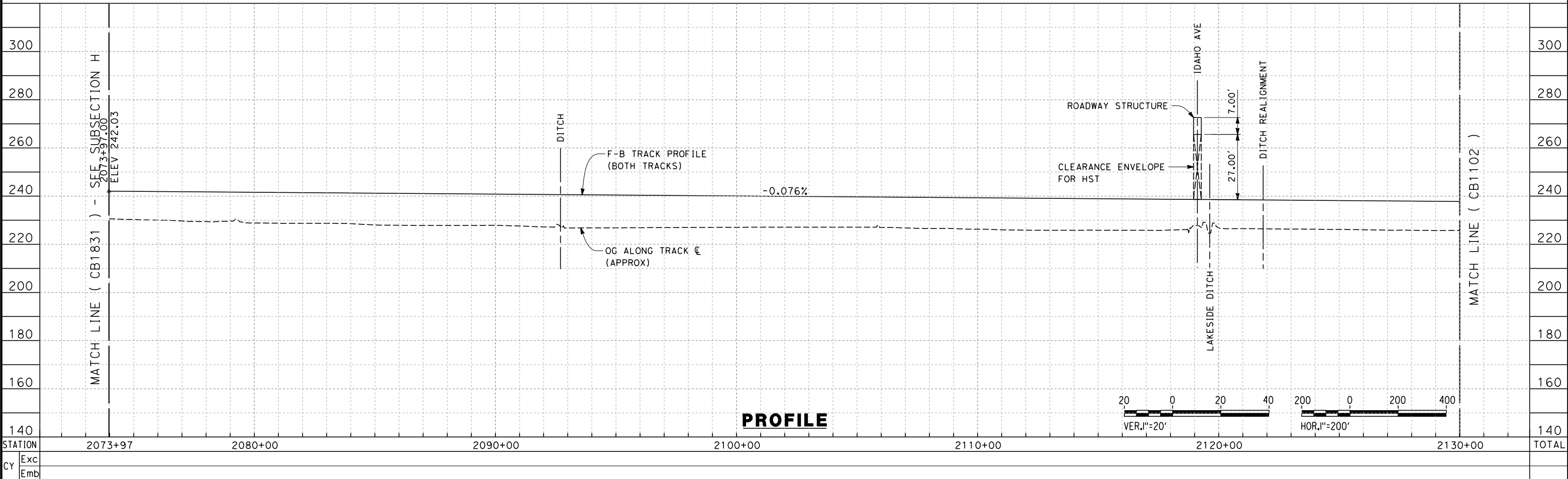
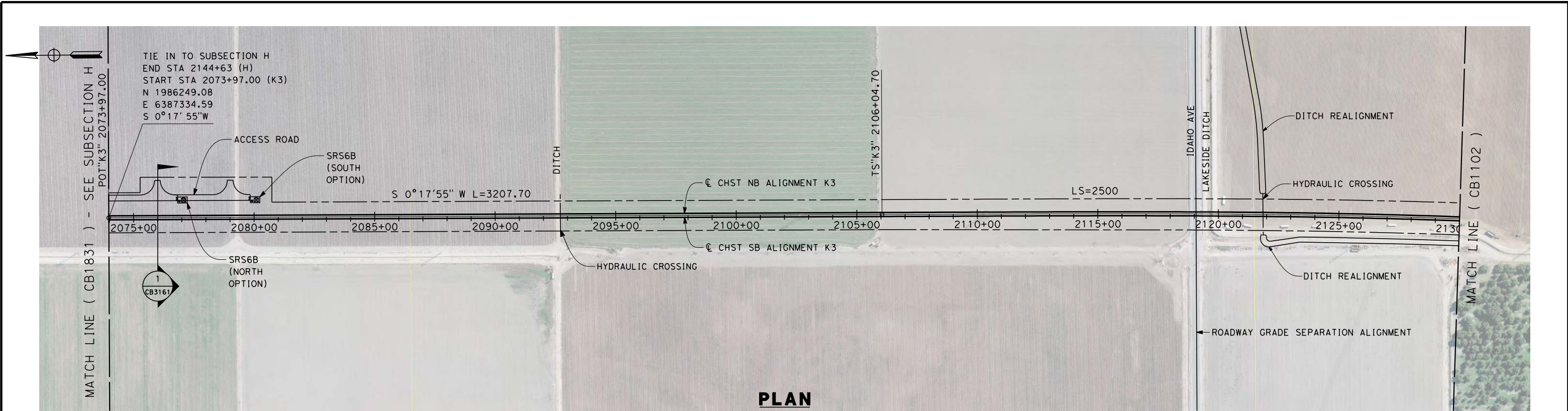


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2073+97 TO 2634+00
KEY MAP

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1100
SCALE AS SHOWN
SHEET NO. 1 OF 16

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. POLING
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IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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CONSTRUCTION**

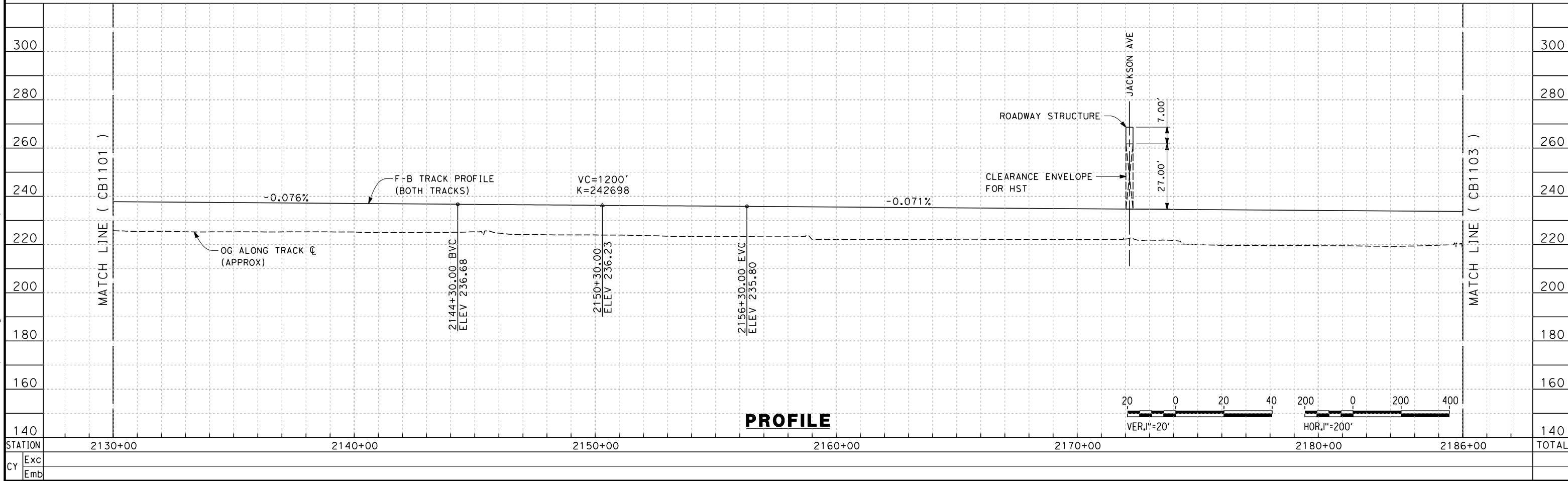
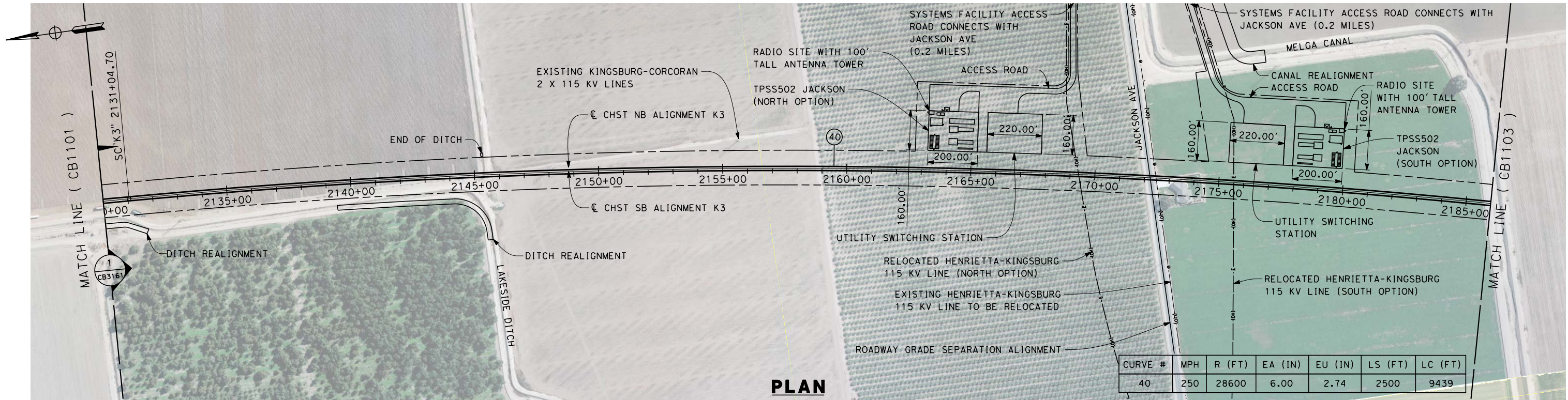


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2073+97 TO 2130+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1101
SCALE
AS SHOWN
SHEET NO.
2 OF 16

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DESIGNED BY
A. POLING
DRAWN BY
E. TANAKA
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

RECORD SET 15%
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CONSTRUCTION

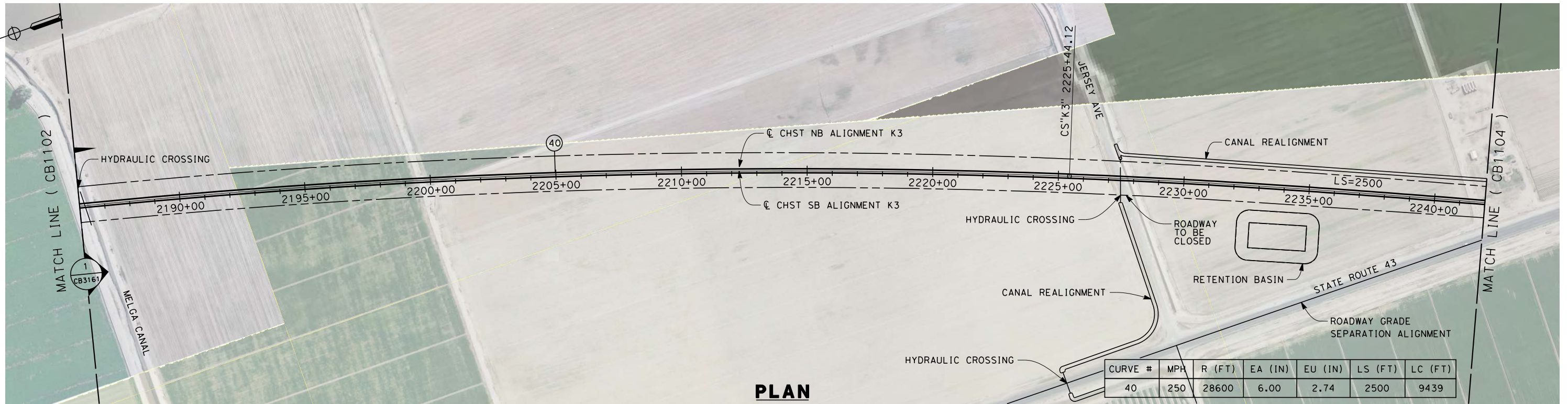


CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

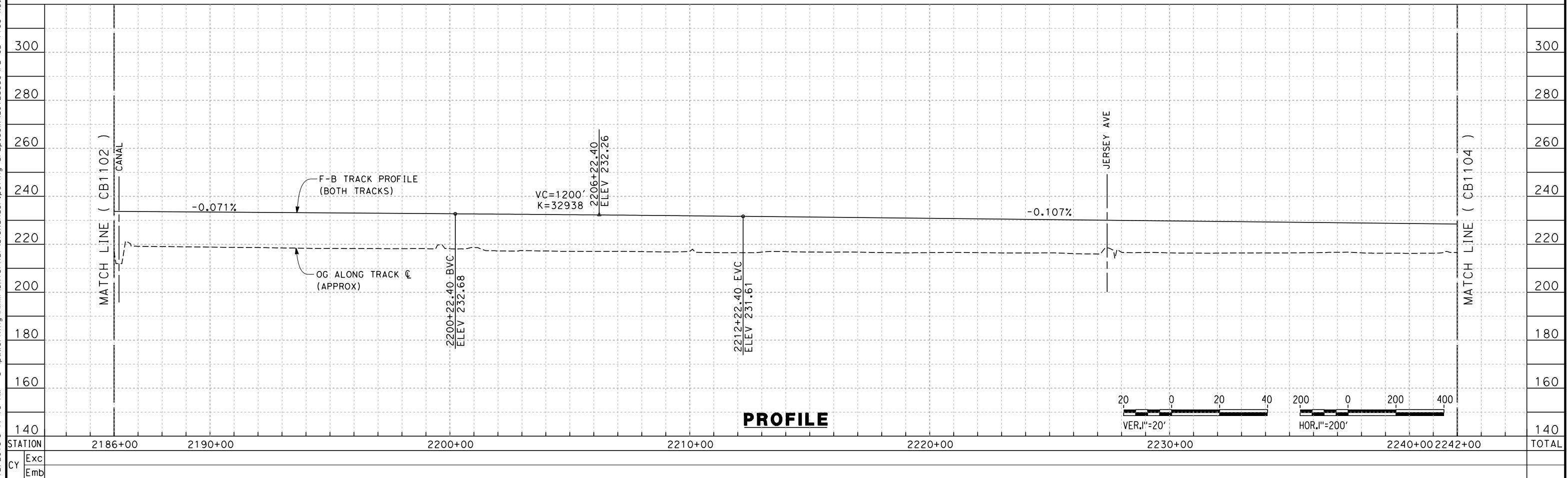
CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2130+00 TO 2186+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1102
SCALE
AS SHOWN
SHEET NO.
3 OF 16

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PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

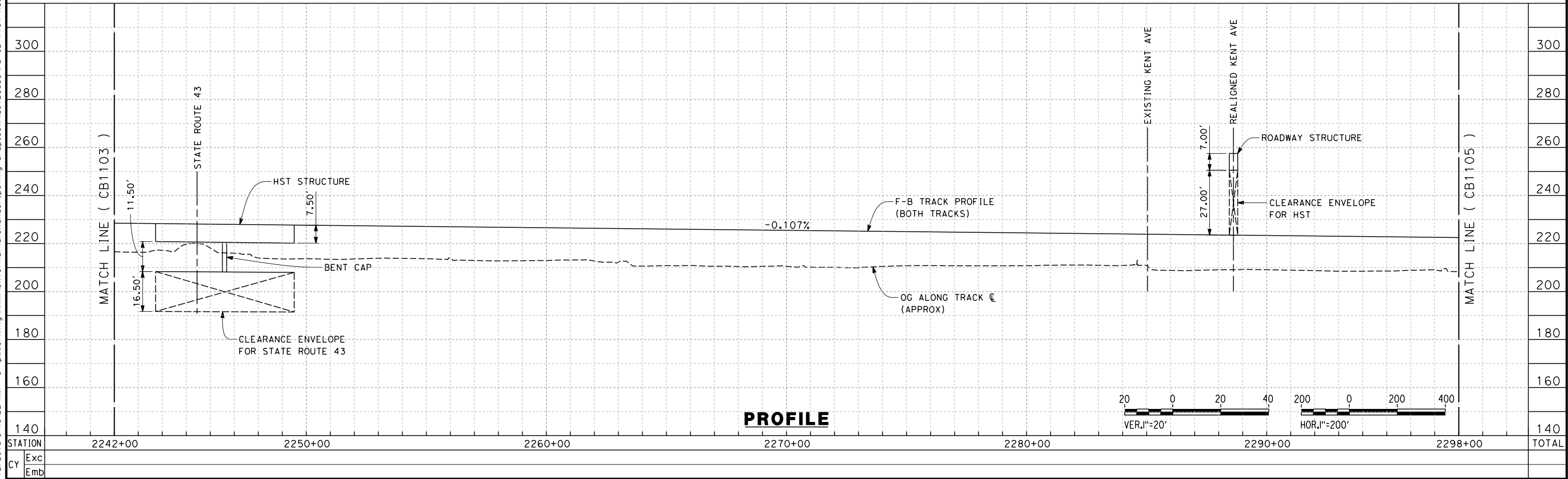
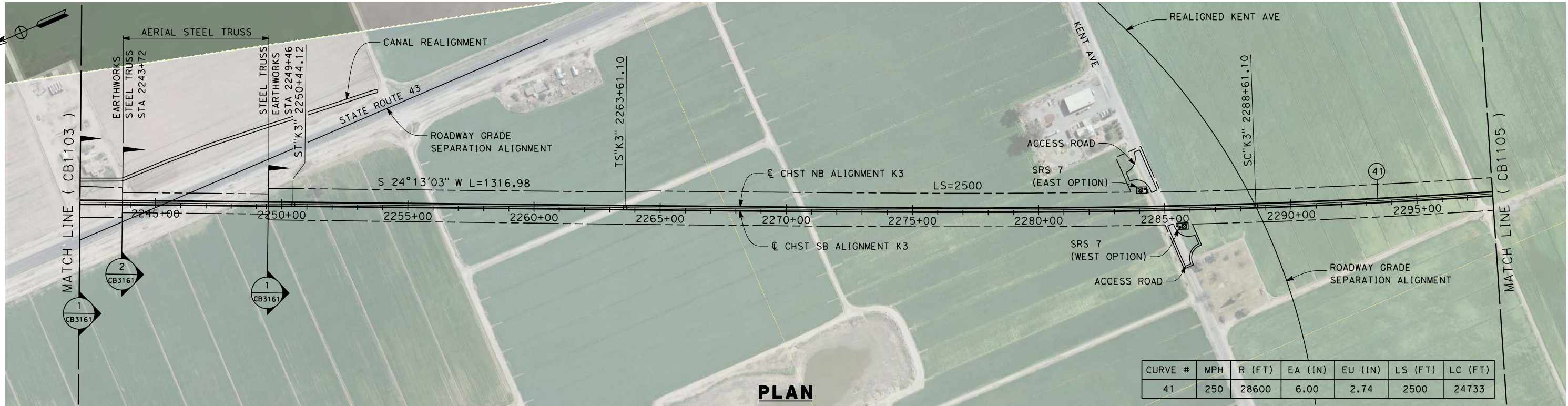
RECORD SET 15% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION ALIGNMENT K3 STA. 2186+00 TO 2242+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1103
SCALE AS SHOWN
SHEET NO. 4 OF 16

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REV	DATE	BY	CHK	APP	DESCRIPTION

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A. POLING
DRAWN BY
E. TANAKA
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

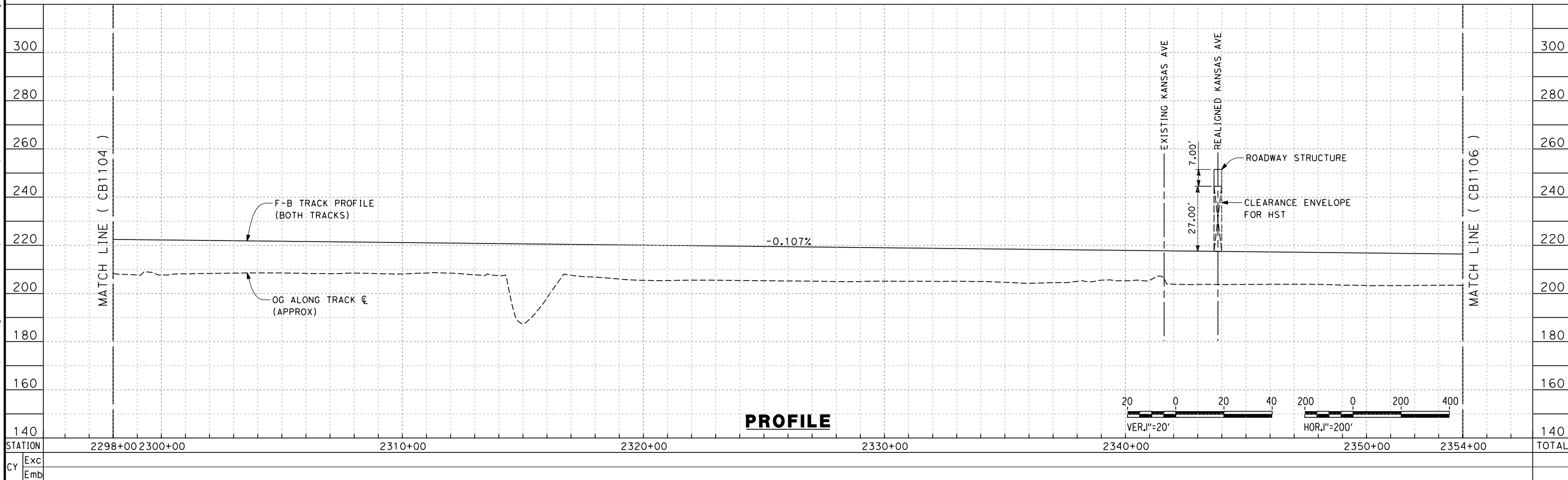
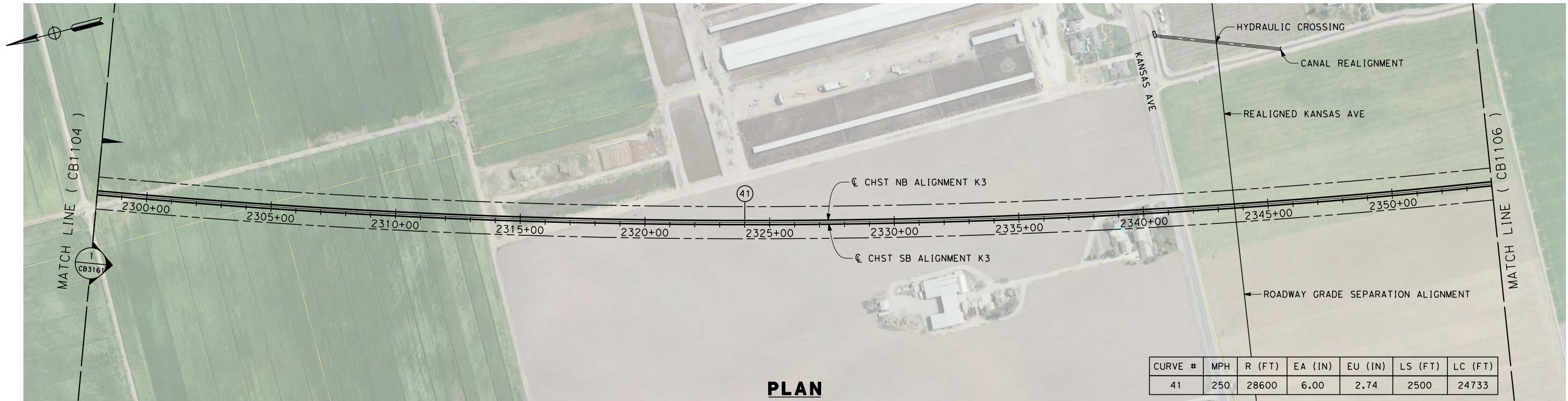
**NOT FOR
CONSTRUCTION**



**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2242+00 TO 2298+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1104
SCALE
AS SHOWN
SHEET NO.
5 OF 16

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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
DRAWN BY E. TANAKA
CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

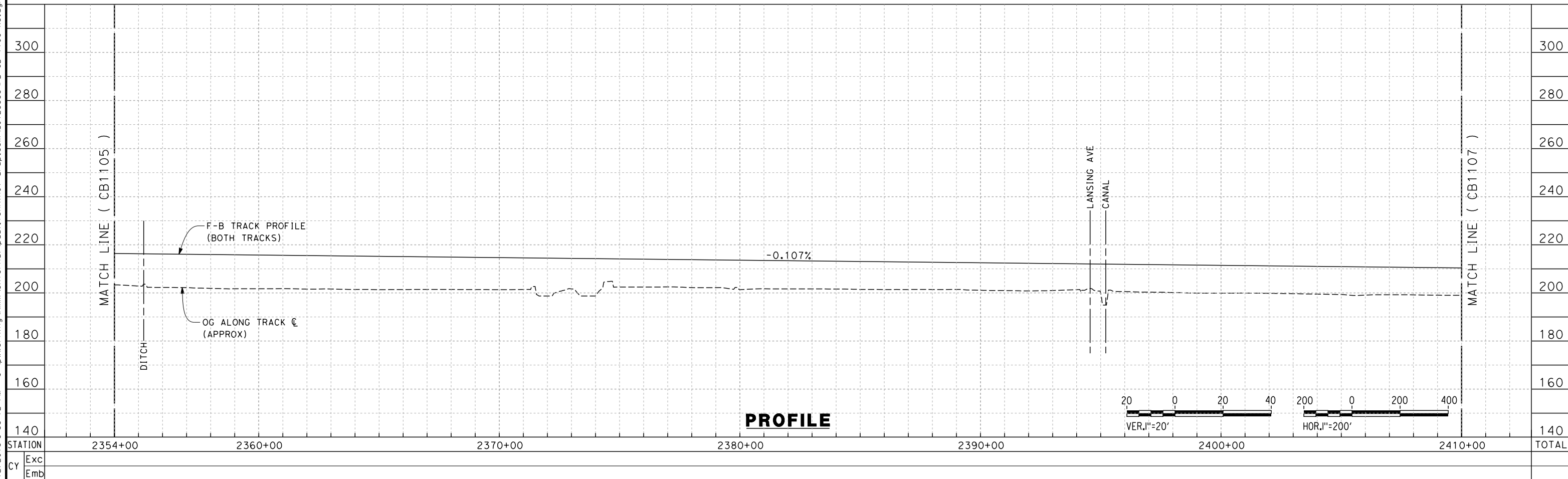
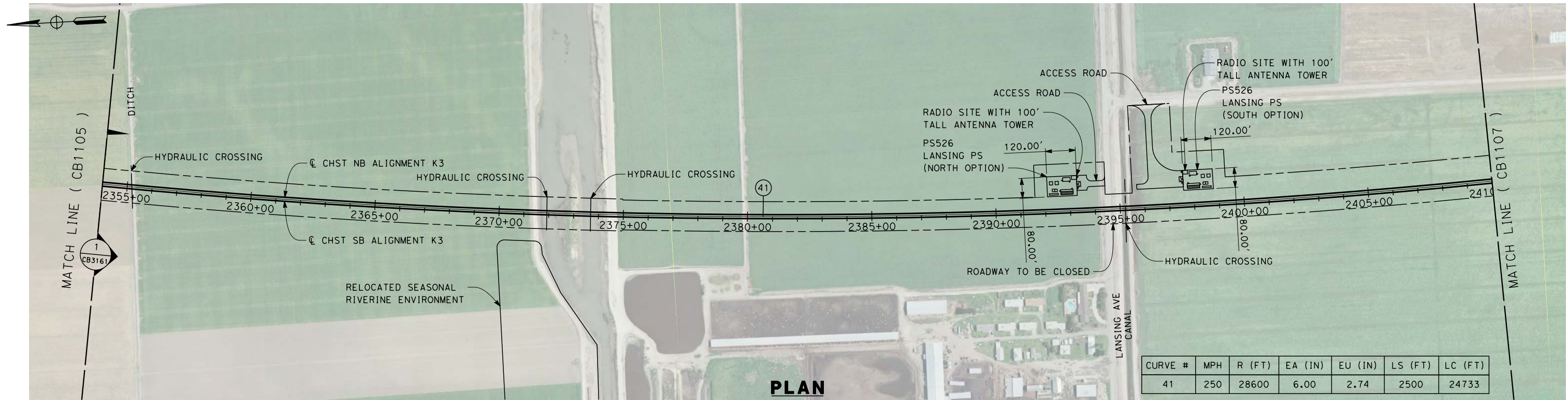
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CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION ALIGNMENT K3 STA. 2298+00 TO 2354+00 PLAN AND PROFILE

CONTRACT NO. HSR 06-0003
DRAWING NO. CB1105
SCALE AS SHOWN
SHEET NO. 6 OF 16

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REV	DATE	BY	CHK	APP	DESCRIPTION

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A. POLING
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E. TANAKA
CHECKED BY
D. HUNT
IN CHARGE
R. COFFIN
DATE
12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

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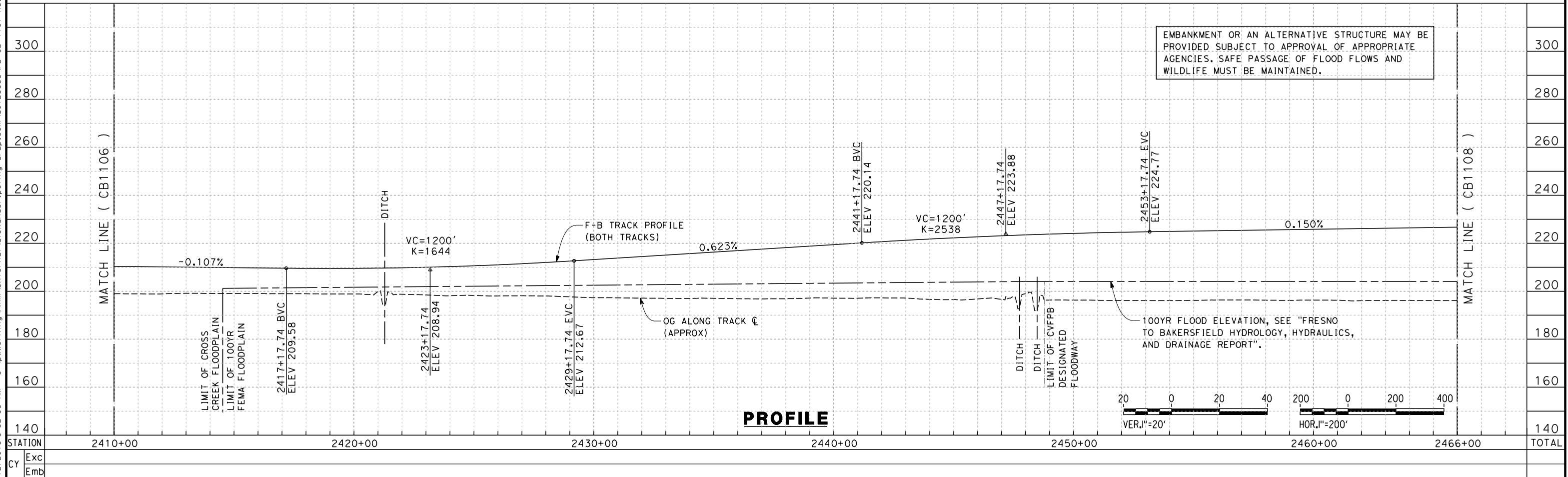
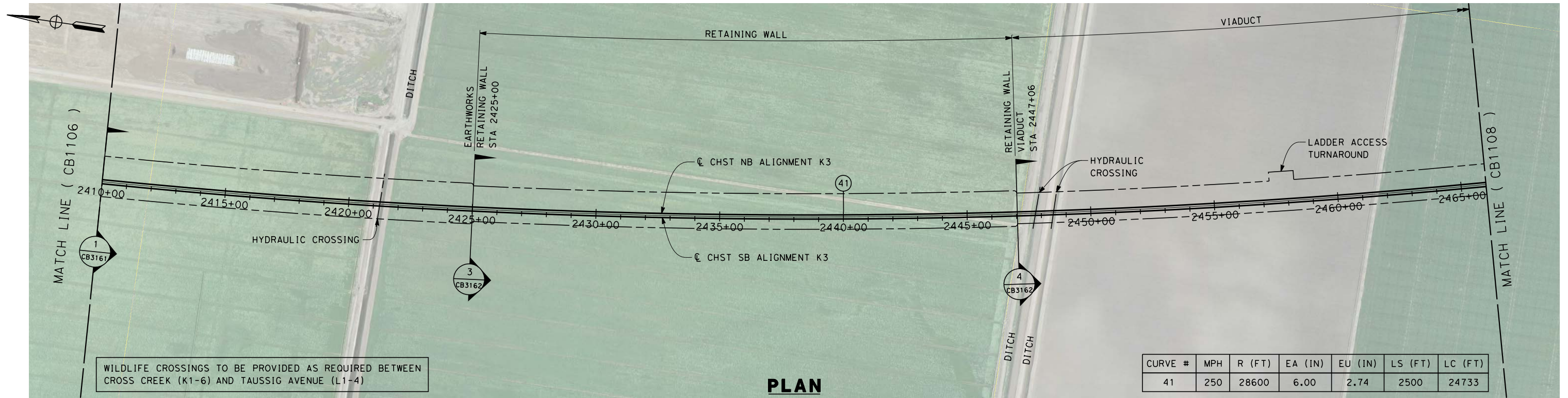


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2354+00 TO 2410+00
PLAN AND PROFILE

CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1106
SCALE
AS SHOWN
SHEET NO.
7 OF 16

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REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY
D. HUNT
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R. COFFIN
DATE
12/31/13

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DESIGN SUBMISSION**

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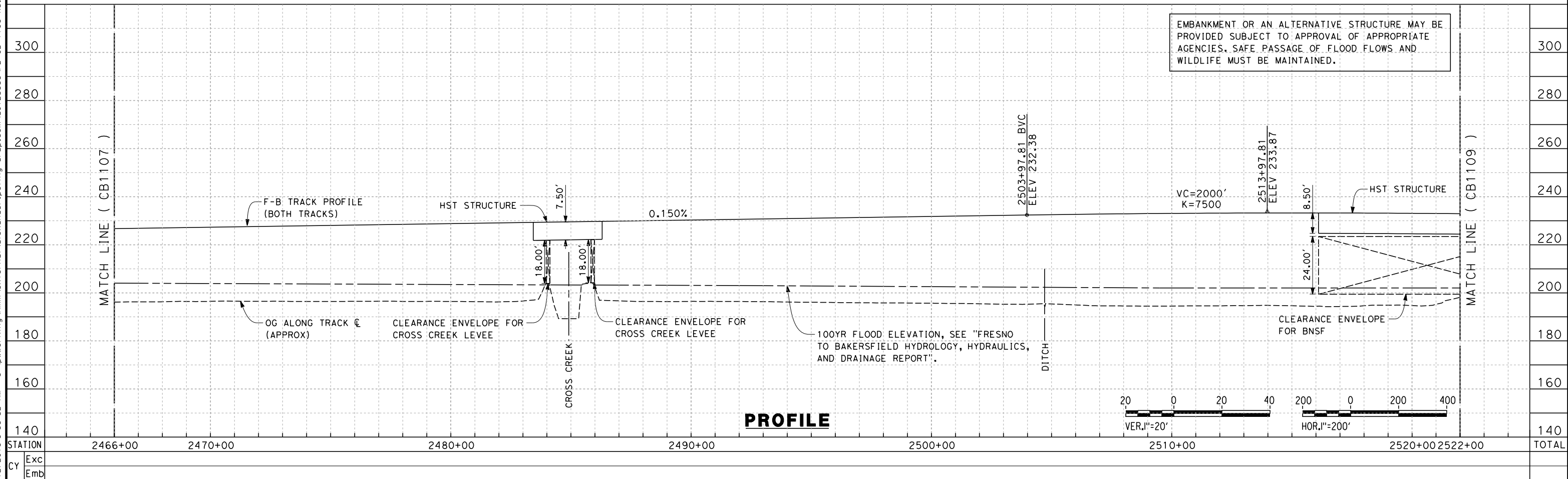
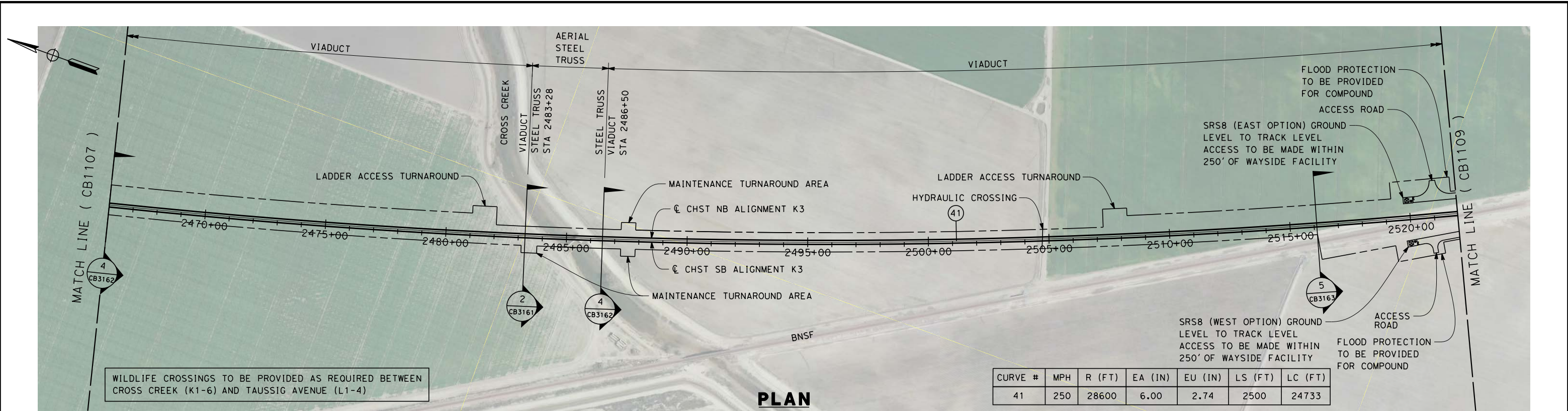


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2410+00 TO 2466+00
PLAN AND PROFILE

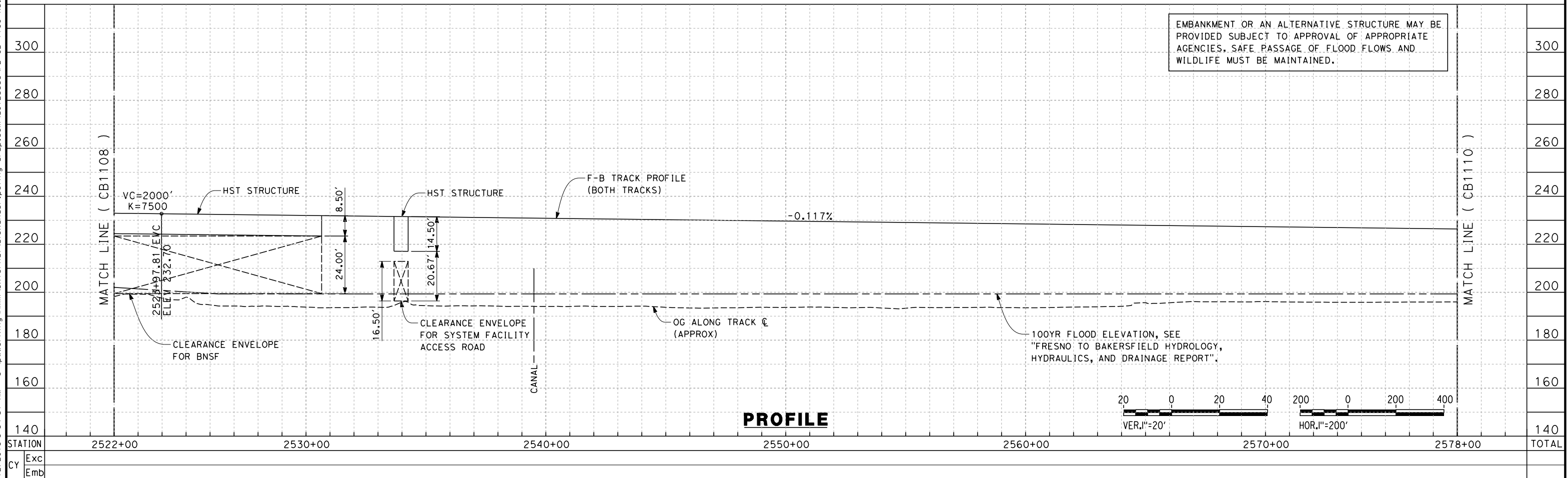
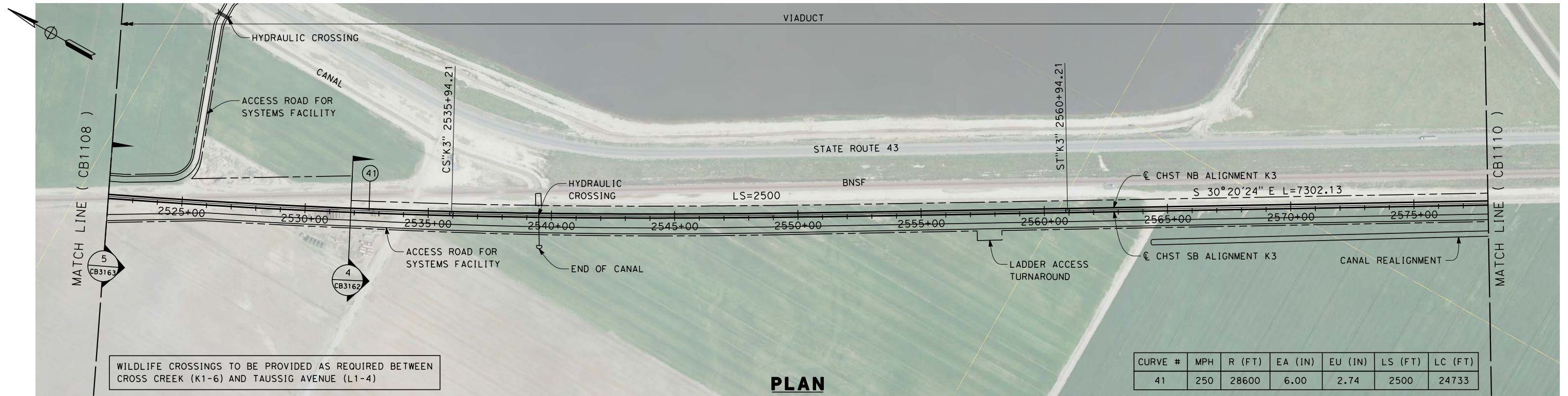
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HSR 06-0003
DRAWING NO.
CB1107
SCALE
AS SHOWN
SHEET NO.
8 OF 16

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REV	DATE	BY	CHK	APP	DESCRIPTION										

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DESIGNED BY
A. POLING
DRAWN BY
E. TANAKA
CHECKED BY
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R. COFFIN
DATE
12/31/13

RECORD SET 15%
DESIGN SUBMISSION

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CONSTRUCTION

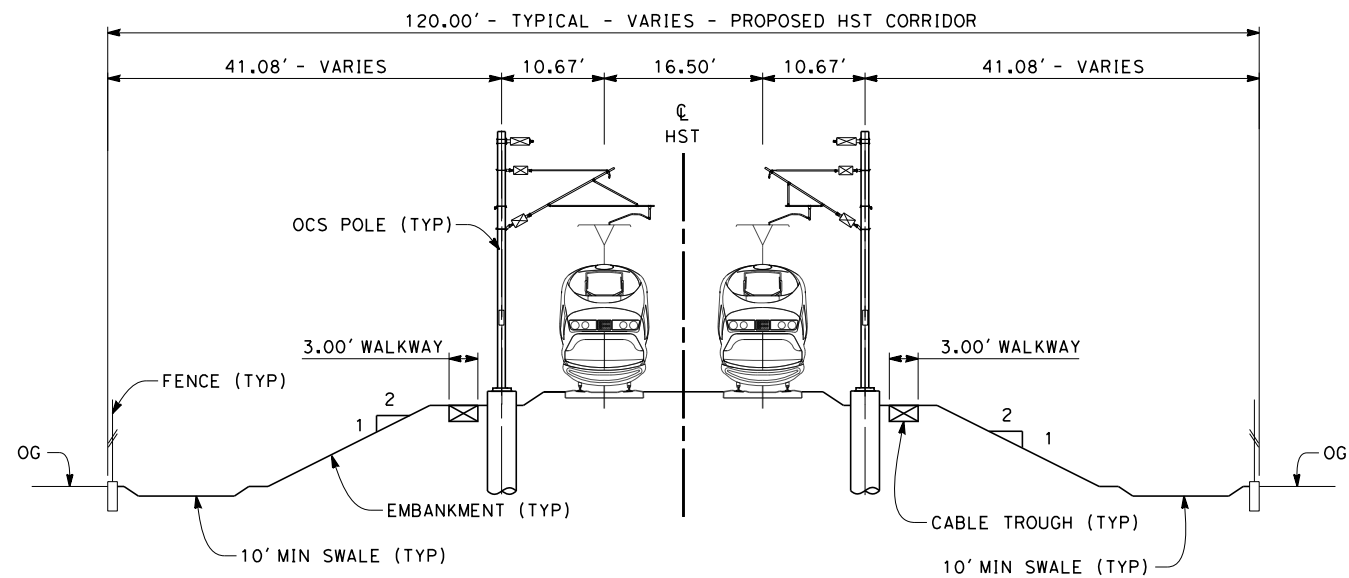


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**
KAWEAH SUBSECTION
ALIGNMENT K3
STA. 2522+00 TO 2578+00
PLAN AND PROFILE

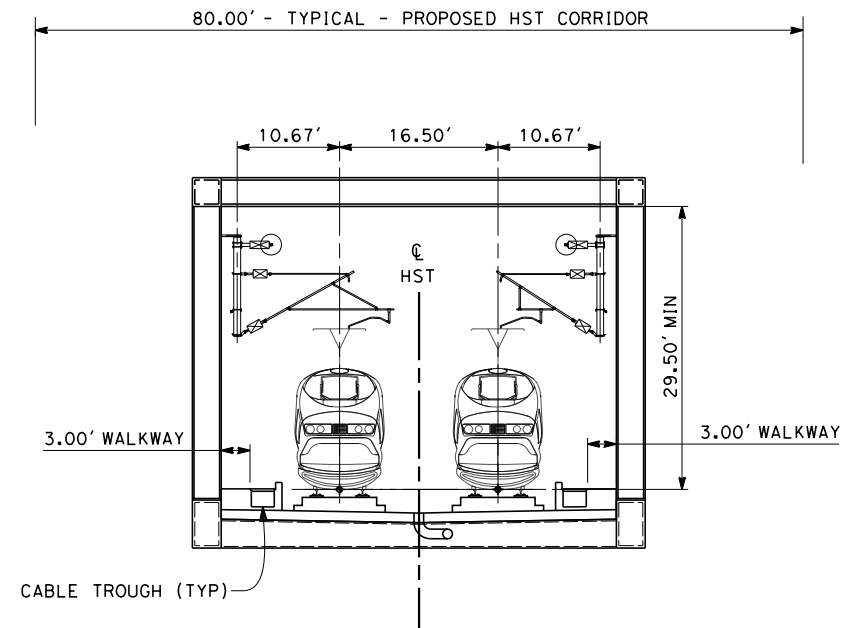
CONTRACT NO.
HSR 06-0003
DRAWING NO.
CB1109
SCALE
AS SHOWN
SHEET NO.
10 OF 16

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- NOTES:
- 1. TRACKFORM SHOWN IS INDICATIVE
 - 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 - 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 1
TWIN TRACK - AT-GRADE WITH OPEN DRAINAGE
STA 2073+97 THROUGH STA 2243+72
STA 2249+46 THROUGH STA 2425+00



SECTION 2
TWIN TRACK TRUSS
STA 2243+72 THROUGH STA 2249+46
STA 2483+28 THROUGH STA 2486+50



REV	DATE	BY	CHK	APP	DESCRIPTION

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RECORD SET 15% DESIGN SUBMISSION
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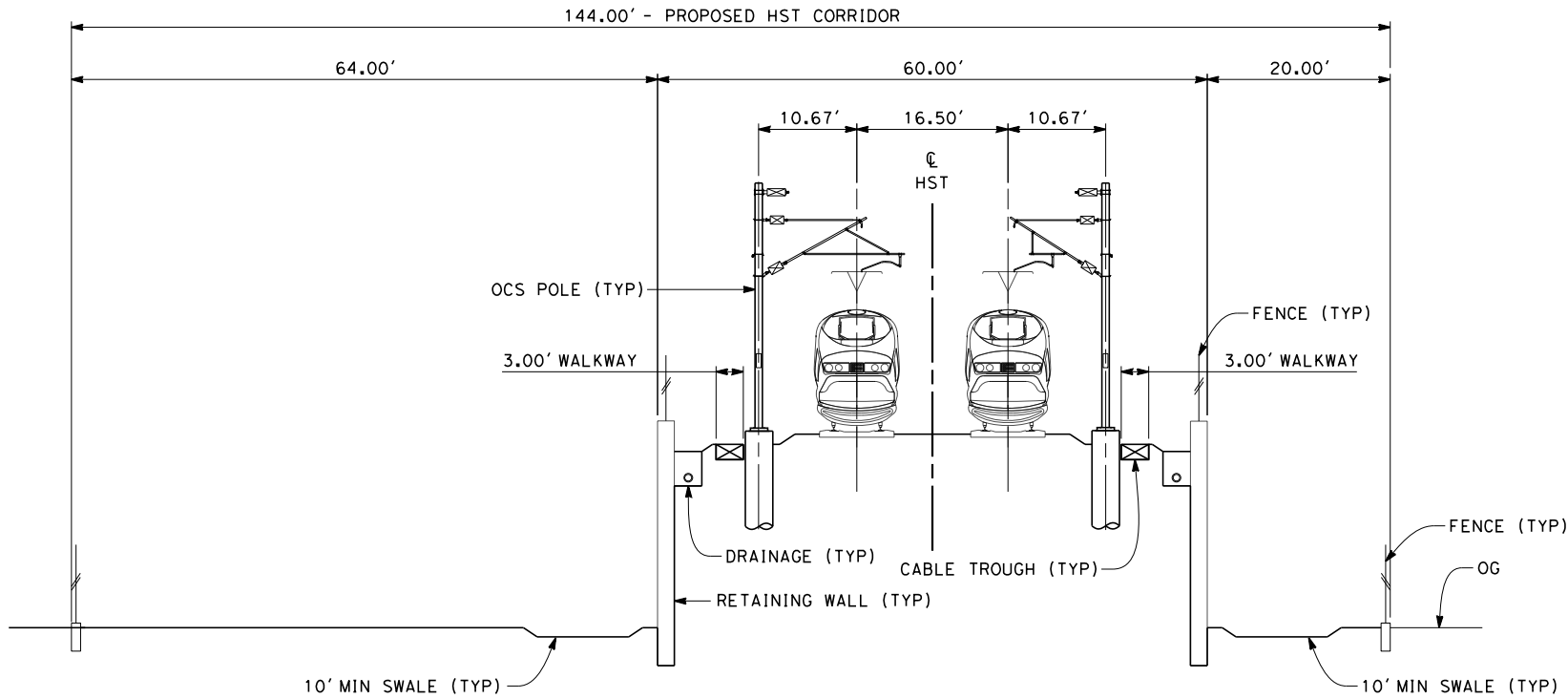
CALIFORNIA HIGH-SPEED TRAIN PROJECT FRESNO TO BAKERSFIELD
KAWEAH SUBSECTION ALIGNMENT K3 TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3161
SCALE AS SHOWN
SHEET NO. 12 OF 16

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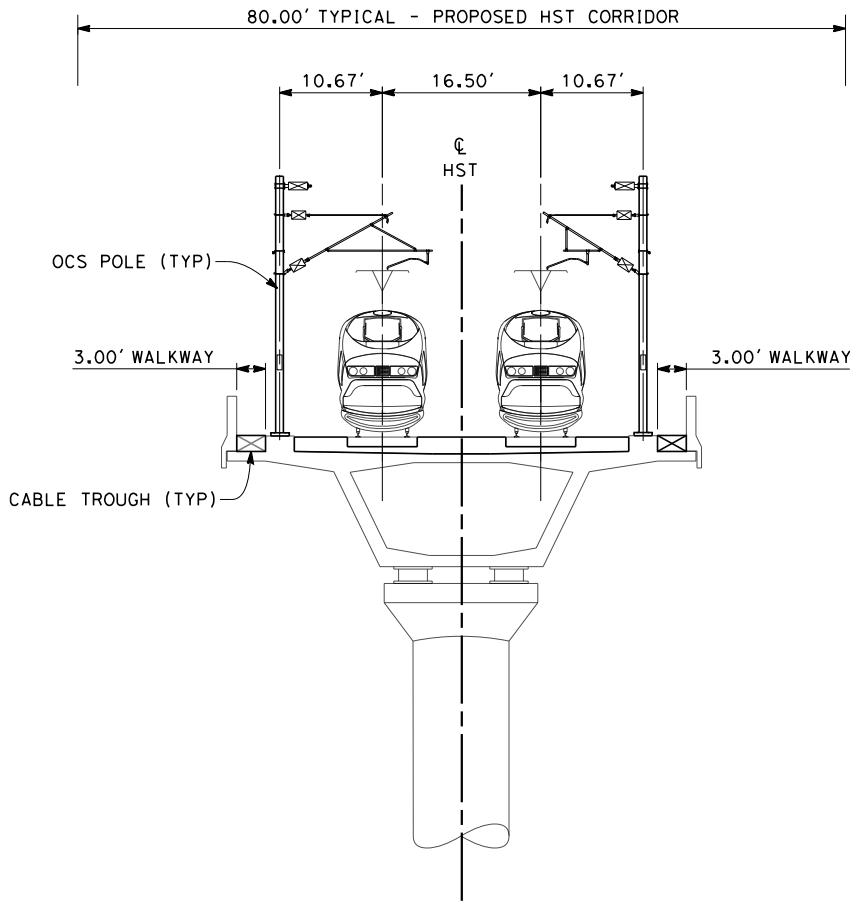
NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 3

TWIN TRACK - ON RETAINED EMBANKMENT
STA 2425+00 THROUGH STA 2447+06



SECTION 4

TWIN TRACK - AERIAL VIADUCT
STA 2447+06 THROUGH STA 2483+28
STA 2486+50 THROUGH STA 2516+11
STA 2531+85 THROUGH STA 2585+85



REV	DATE	BY	CHK	APP	DESCRIPTION

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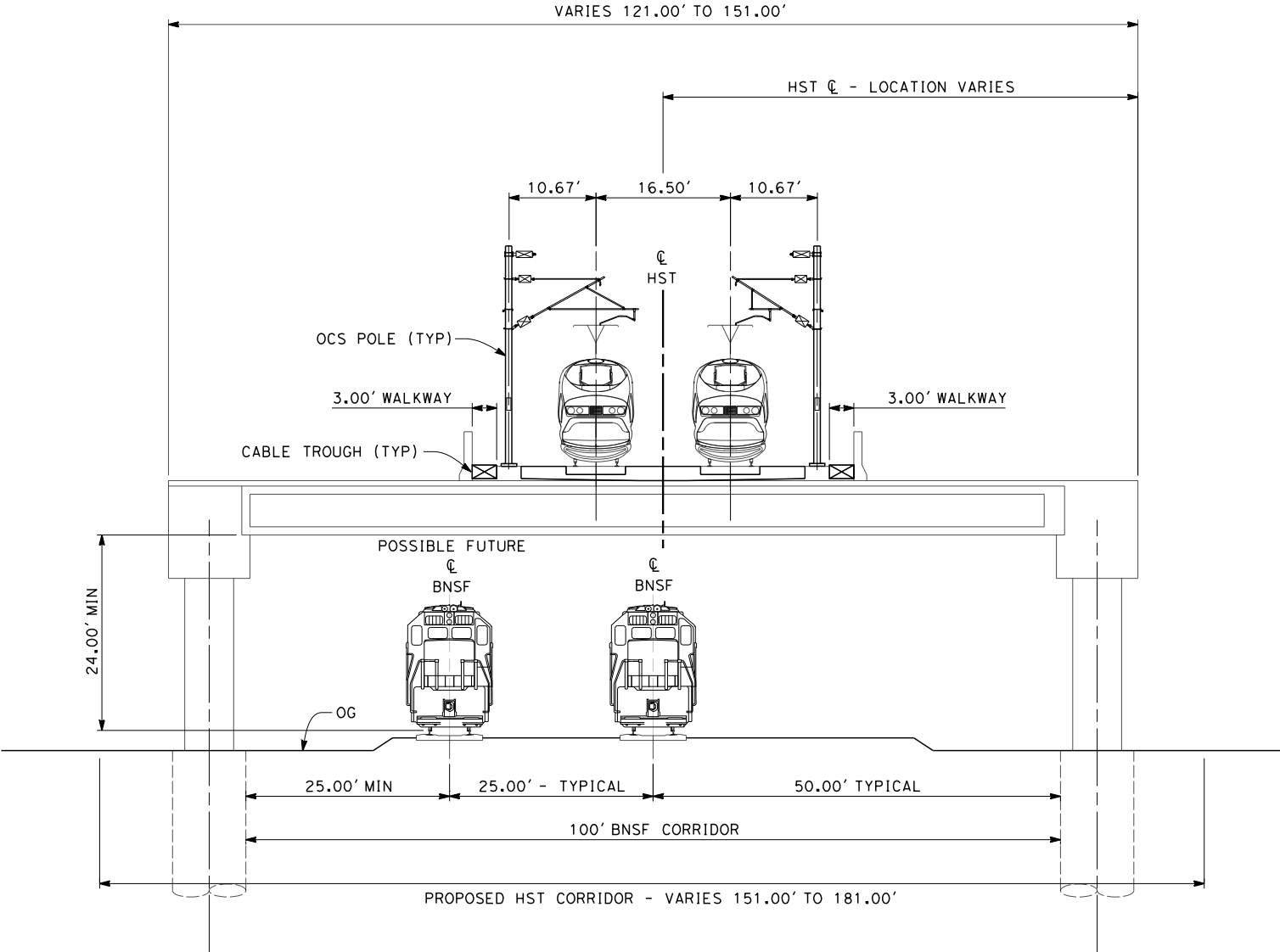
CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
TYPICAL SECTIONS

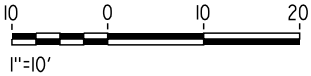
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3162
SCALE AS SHOWN
SHEET NO. 13 OF 16

- NOTES:
- 1. TRACKFORM SHOWN IS INDICATIVE
 - 2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
 - 3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



SECTION 5

TWIN TRACK - ELEVATED SLAB OVER BNSF
STA 2516+11 THROUGH STA 2531+85



\$/USER \$ DATE \$ \$/TIME \$ \$/FILE \$

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. POLING
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CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

**RECORD SET 15%
DESIGN SUBMISSION**

**NOT FOR
CONSTRUCTION**

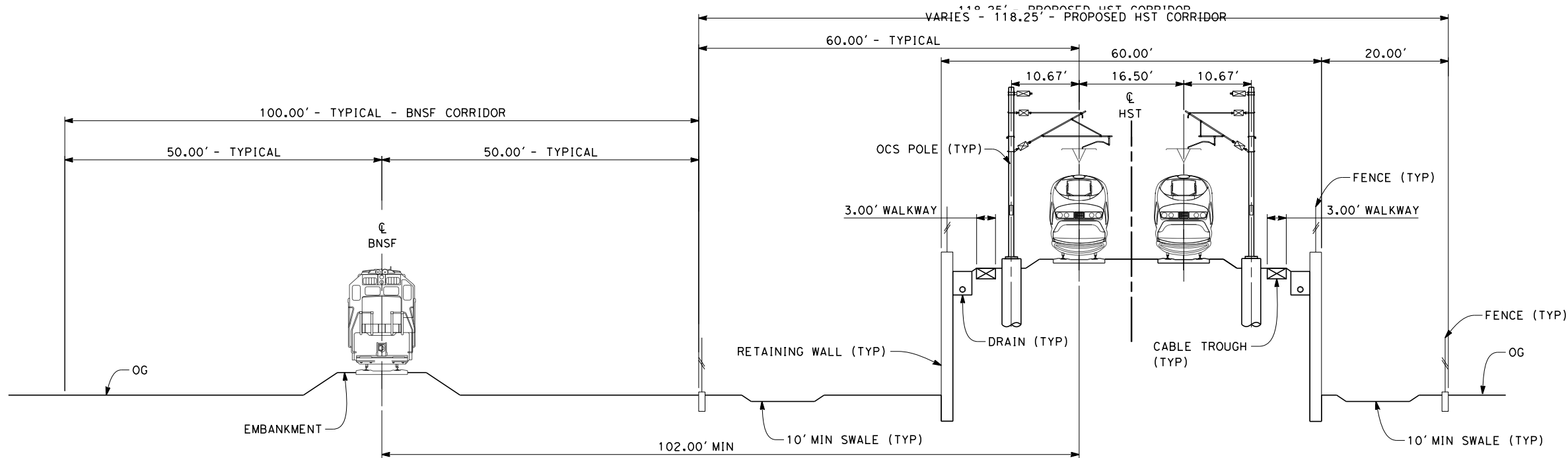


**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
TYPICAL SECTIONS

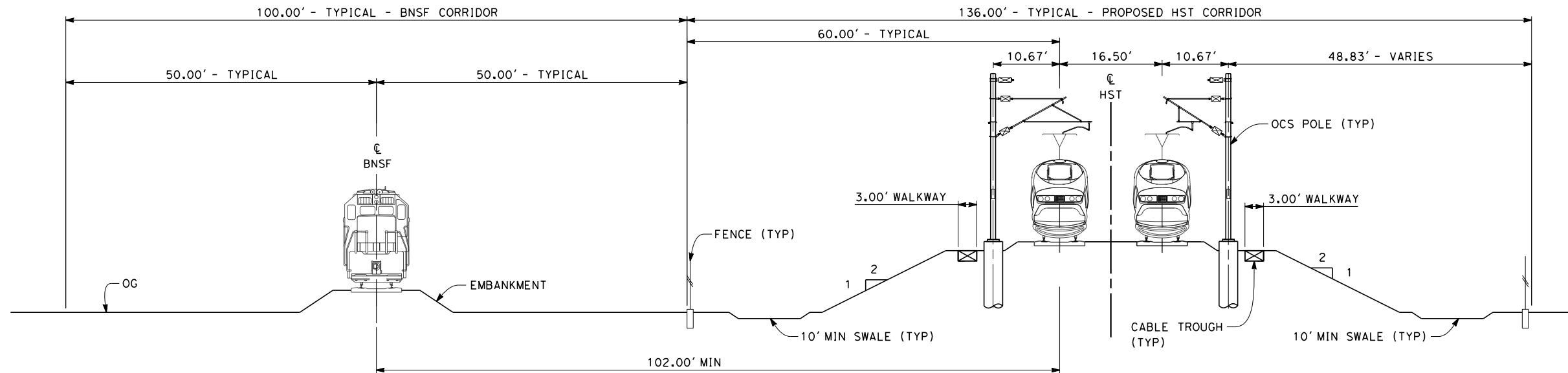
CONTRACT NO. HSR 06-0003
DRAWING NO. CB3163
SCALE AS SHOWN
SHEET NO. 14 OF 16

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SECTION 6

TWIN TRACK - RETAINED EMBANKMENT ADJACENT TO SINGLE TRACK BNSF
STA 2585+85 THROUGH STA 2616+00



SECTION 7

TWIN TRACK - ADJACENT TO SINGLE TRACK BNSF
STA 2616+00 THROUGH STA 2626+00

NOTES:

1. TRACKFORM SHOWN IS INDICATIVE
2. FOR STRUCTURE DIMENSIONS SEE STRUCTURAL CROSS SECTIONS
3. SUPERELEVATION IS NOT SHOWN. THE AMOUNT OF APPLIED SUPERELEVATION IS SHOWN IN THE CURVE DATA TABLES.



REV	DATE	BY	CHK	APP	DESCRIPTION

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CHECKED BY D. HUNT
IN CHARGE R. COFFIN
DATE 12/31/13

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**CALIFORNIA HIGH-SPEED TRAIN PROJECT
FRESNO TO BAKERSFIELD**

KAWEAH SUBSECTION
ALIGNMENT K3
TYPICAL SECTIONS

CONTRACT NO. HSR 06-0003
DRAWING NO. CB3164
SCALE AS SHOWN
SHEET NO. 15 OF 16